

Figure 1. 2000 Northeast sink gillnet observed hauls (A) and observed incidental takes (B)

● Observed hauls not within the timeframe of the pinger regulated areas

△ Observed hauls within the timeframe of the pinger regulated areas

Observed incidental takes not within the timeframe of the pinger regulated areas

● Bottlenose Dolphin

■ Harbor Porpoise

+ White-sided Dolphin

◊ Gray Seal

▲ Harbor Seal

▲ Harbor Seal/Unknown Seal

◆ Harp Seal

★ Unknown Seal

Observed incidental takes within the timeframe of the pinger regulated areas

■ Harbor Porpoise

◊ Gray Seal

△ Harbor Seal

◆ Harbor Seal/Gray Seal

◆ Harp Seal

★ Unknown Seal

▨ Western Gulf Of Maine Closed Area

▨ Cape Cod Bay Critical Habitat

▨ Great South Channel Critical Habitat (includes sliver area)

▨ Cape Cod South Pinger Regulated Time/Area Closure

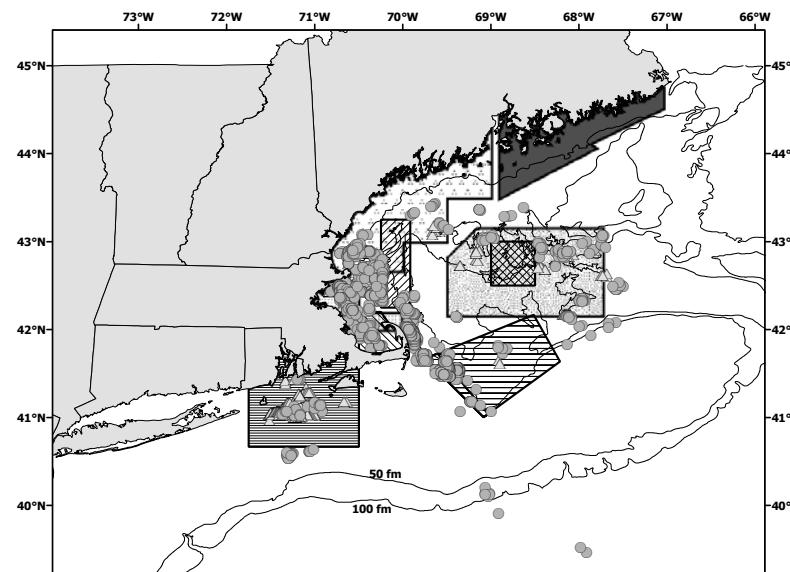
▨ Cashes Ledge Time/Area Closure

▨ Massachusetts Bay Pinger Regulated Time/Area Closure

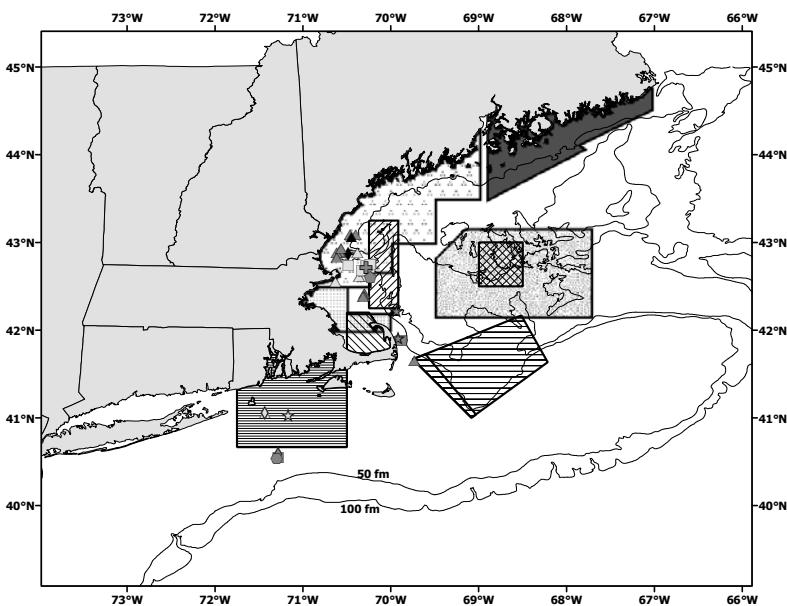
▨ Mid Coast Pinger Regulated Time/Area Closure

▨ Northeast Time/Area Closure

▨ Offshore Pinger Regulated Time/Area Closure



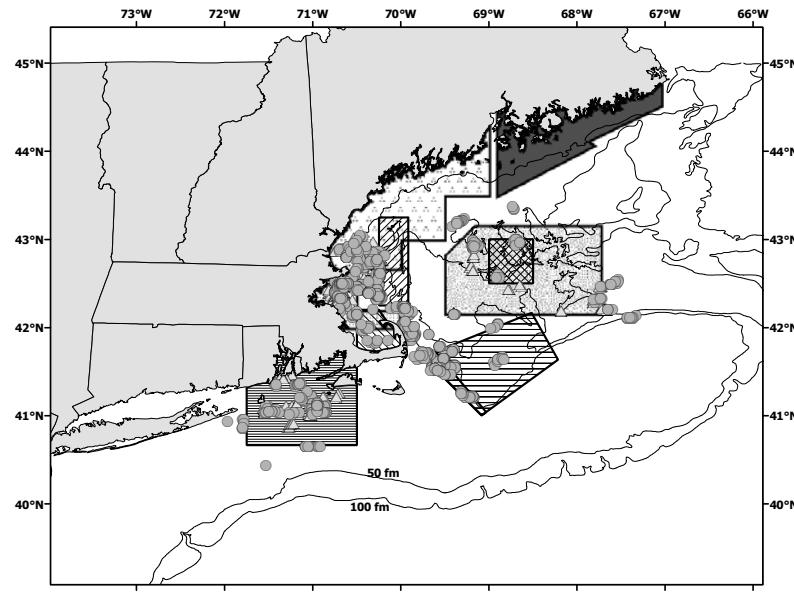
(A)



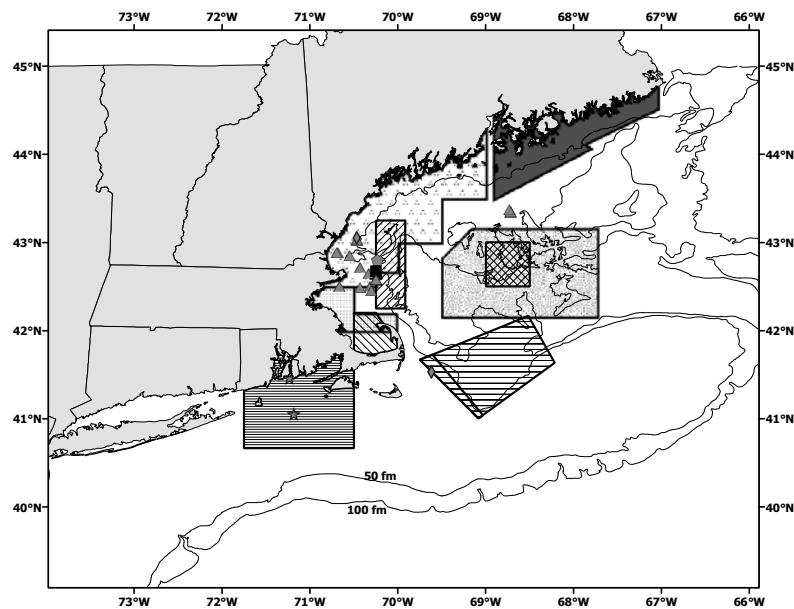
(B)

Figure 2. 2001 Northeast sink gillnet observed hauls (A) and observed incidental takes (B)

- Observed hauls not within the timeframe of the pinger regulated areas
 - △ Observed hauls within the timeframe of the pinger regulated areas
- Observed incidental takes not within the timeframe of the pinger regulated areas**
- ◊ Gray Seal
 - ▲ Harbor Seal
- Observed incidental takes within the timeframe of the pinger regulated areas**
- Harbor Porpoise/Unknown Seal
 - + Harbor Seal/White-sided Dolphin
 - ▲ Harbor Seal
 - ◊ Harp Seal
 - ★ Unknown Seal
- | |
|---|
| Western Gulf Of Maine Closed Area |
| Cape Cod Bay Critical Habitat |
| Great South Channel Critical Habitat (includes silver area) |
| Cape Cod South Pinger Regulated Time/Area Closure |
| Cashes Ledge Time/Area Closure |
| Massachusetts Bay Pinger Regulated Time/Area Closure |
| Mid Coast Pinger Regulated Time/Area Closure |
| Northeast Time/Area Closure |
| Offshore Pinger Regulated Time/Area Closure |



(A)



(B)

Figure 3. 2002 Northeast sink gillnet observed hauls (A) and observed incidental takes (B)

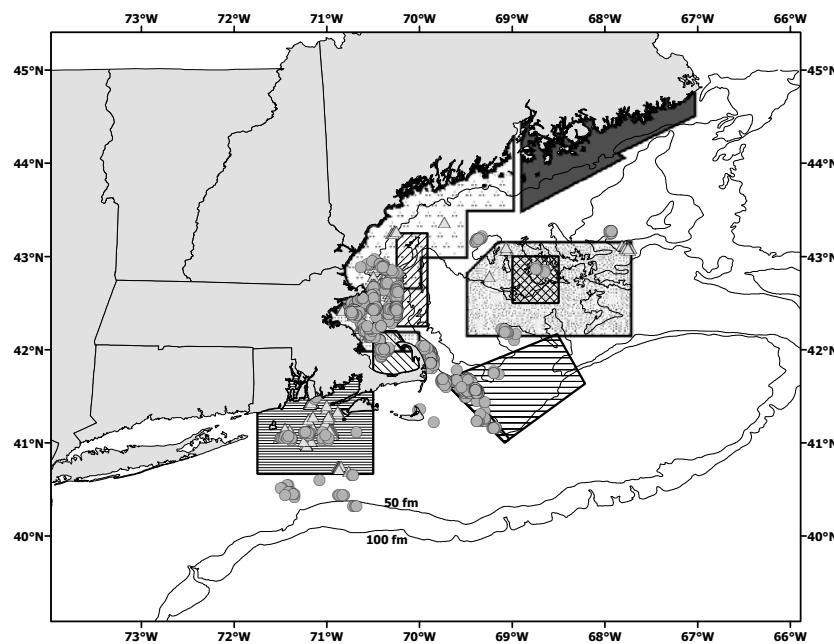
- Observed hauls not within the timeframe of the pinger regulated areas
- △ Observed hauls within the timeframe of the pinger regulated areas

Observed incidental takes not within the timeframe of the pinger regulated areas

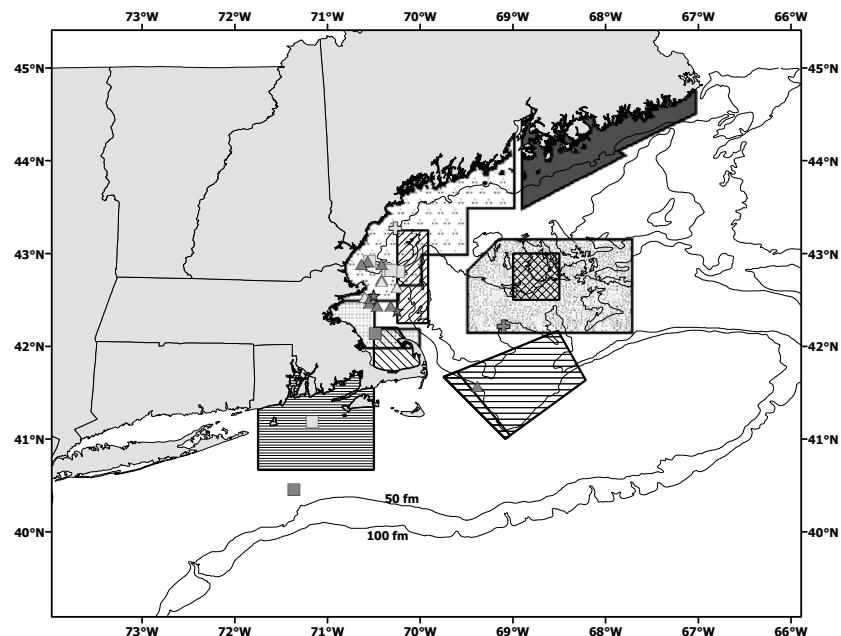
- Harbor Porpoise
- + White-sided Dolphin
- ▲ Harbor Seal
- ★ Unknown Seal

Observed incidental takes within the timeframe of the pinger regulated areas

- Harbor Porpoise
- + White-sided Dolphin
- △ Harbor Seal
- Western Gulf Of Maine Closed Area
- Cape Cod Bay Critical Habitat
- Great South Channel Critical Habitat (includes silver area)
- Cape Cod South Pinger Regulated Time/Area Closure
- Cashes Ledge Time/Area Closure
- Massachusetts Bay Pinger Regulated Time/Area Closure
- Mid Coast Pinger Regulated Time/Area Closure
- Northeast Time/Area Closure
- Offshore Pinger Regulated Time/Area Closure



(A)



(B)

Figure 4. 2003 Northeast sink gillnet observed hauls (A) and observed incidental takes (B)

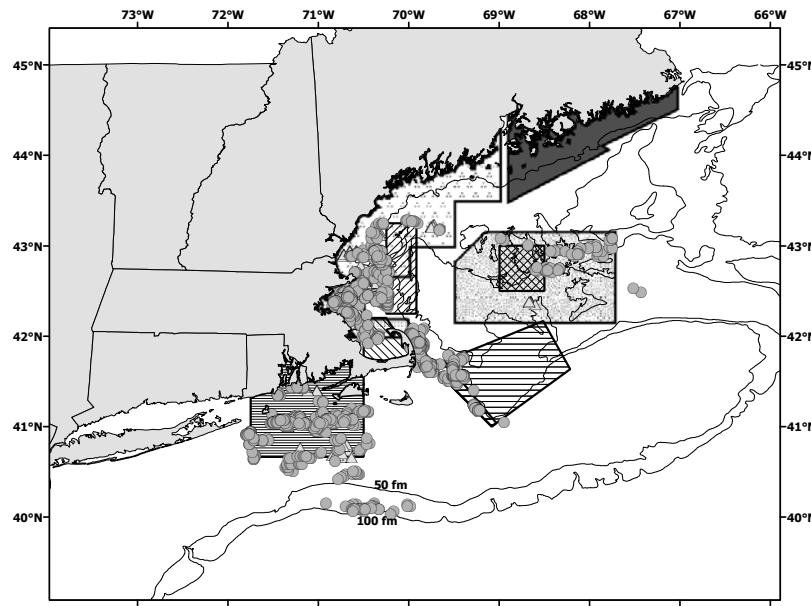
- Observed hauls not within the timeframe of the pinger regulated areas
- △ Observed hauls within the timeframe of the pinger regulated areas

Observed incidental takes not within the timeframe of the pinger regulated areas

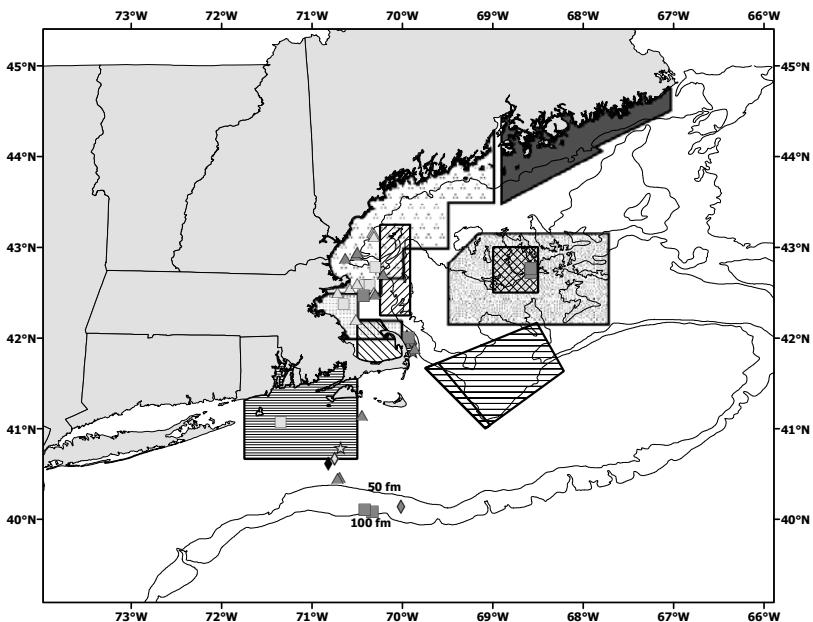
- Harbor Porpoise
- ✚ White-sided Dolphin
- ◊ Gray Seal
- ▲ Harbor Seal
- ◆ Harbor Seal/Gray Seal
- ★ Unknown Seal

Observed incidental takes within the timeframe of the pinger regulated areas

- Harbor Porpoise
- ◊ Gray Seal
- ▲ Harbor Seal
- ★ Unknown Seal
- ▨ Western Gulf Of Maine Closed Area
- ▨ Cape Cod Bay Critical Habitat
- ▨ Great South Channel Critical Habitat (includes silver area)
- ▨ Cape Cod South Pinger Regulated Time/Area Closure
- ▨ Cashes Ledge Time/Area Closure
- ▨ Massachusetts Bay Pinger Regulated Time/Area Closure
- ▨ Mid Coast Pinger Regulated Time/Area Closure
- ▨ Northeast Time/Area Closure
- ▨ Offshore Pinger Regulated Time/Area Closure



(A)



(B)

Figure 5. 2004 Northeast sink gillnet observed hauls (A) and observed incidental takes (B)

● Observed hauls not within the timeframe of the pinger regulated areas

△ Observed hauls within the timeframe of the pinger regulated areas

Observed incidental takes not within the timeframe of the pinger regulated areas

● Bottlenose Dolphin

■ Harbor Porpoise

● Unknown Dolphin

◆ Unknown Porpoise/Dolphin

* Harbor Porpoise/Gray Seal

* Harbor Porpoise/Harp Seal

◊ Gray Seal

▲ Harbor Seal

◊ Harp Seal

★ Harp Seal/Unknown Seal

★ Unknown Seal

Observed incidental takes within the timeframe of the pinger regulated areas

◊ Gray Seal

■ Harbor Porpoise

● Harbor Porpoise/Hood Seal

▲ Harbor Seal

◊ Harp Seal

● Unknown Porpoise/Dolphin

● Unknown Seal/ Harbor Seal

▨ Western Gulf Of Maine Closed Area

▨ Cape Cod Bay Critical Habitat

▨ Great South Channel Critical Habitat (includes silver area)

▨ Cape Cod South Pinger Regulated Time/Area Closure

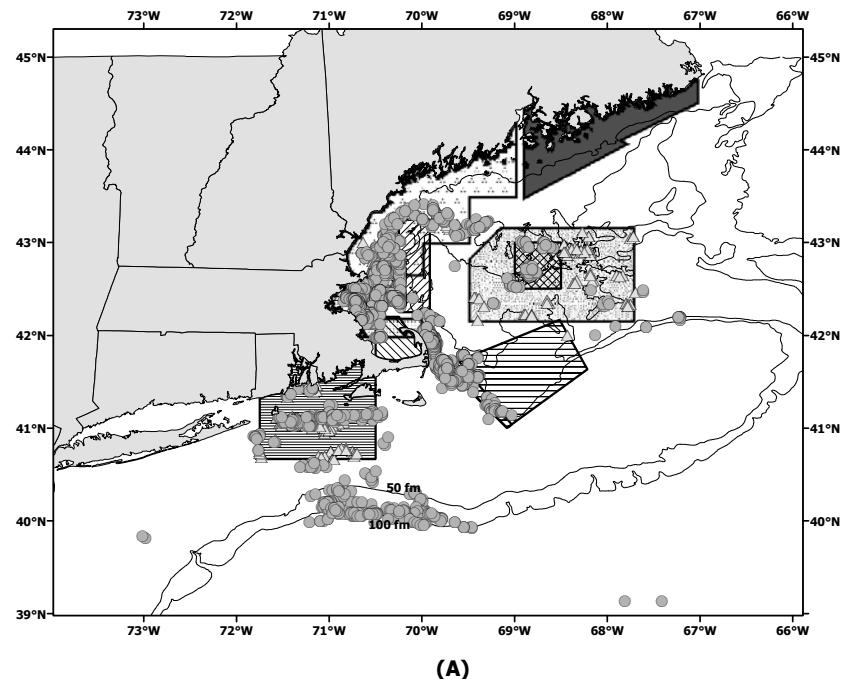
▨ Cashes Ledge Time/Area Closure

▨ Massachusetts Bay Pinger Regulated Time/Area Closure

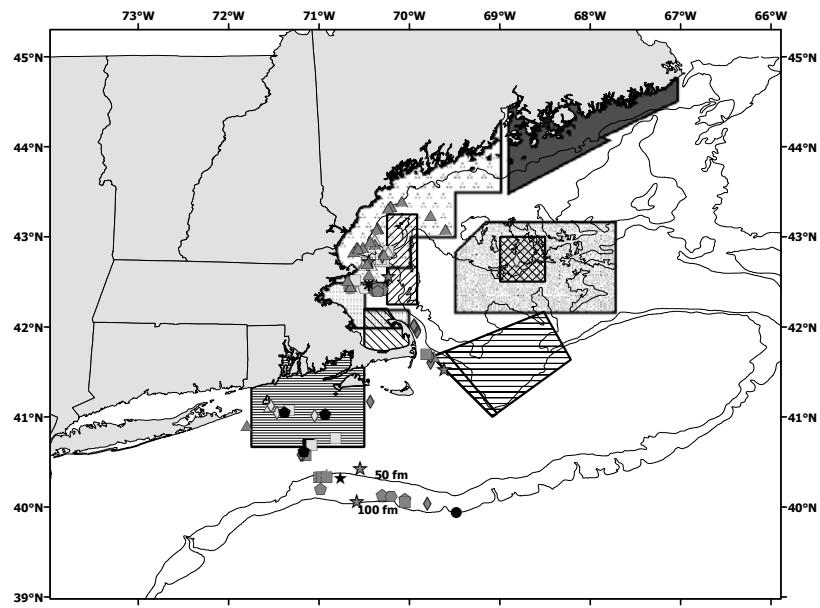
▨ Mid Coast Pinger Regulated Time/Area Closure

▨ Northeast Time/Area Closure

▨ Offshore Pinger Regulated Time/Area Closure



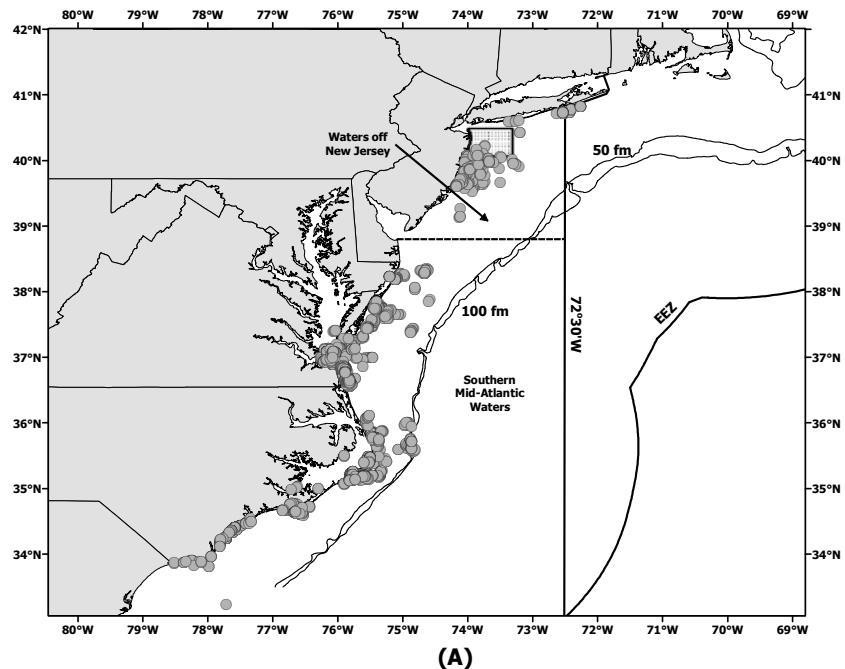
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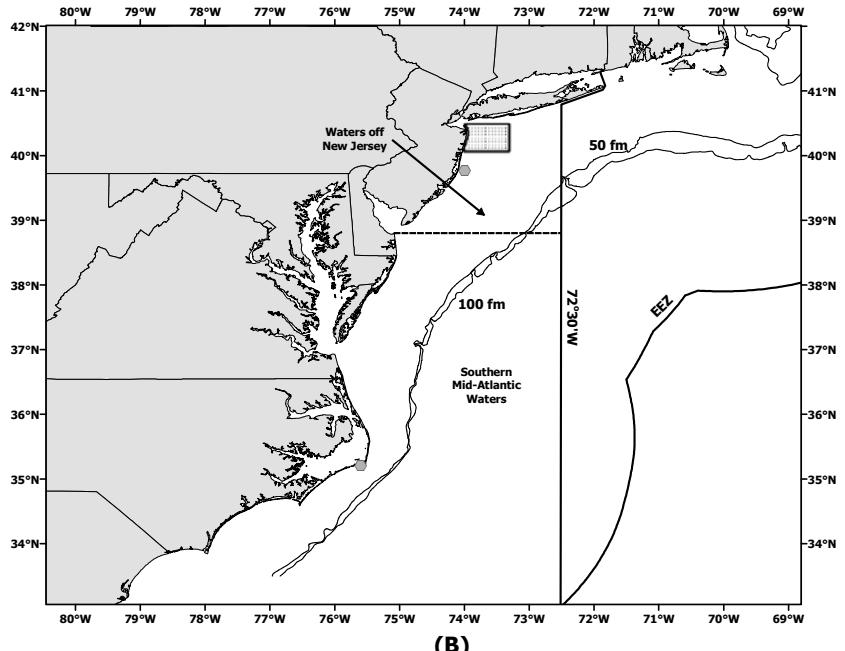
(B)

Figure 6. 2000 mid-Atlantic gillnet observed hauls (A) and observed incidental takes (B)

- Observed hauls
- Bottlenose Dolphin
- New Jersey/Southern Mid-Atlantic Waters Boundary
- Mudhole Closure Area



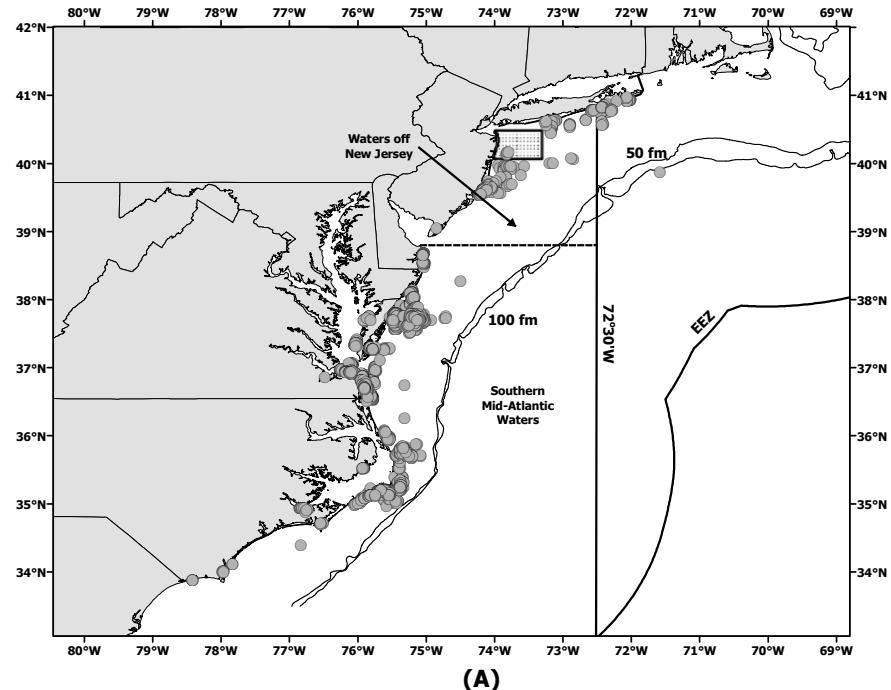
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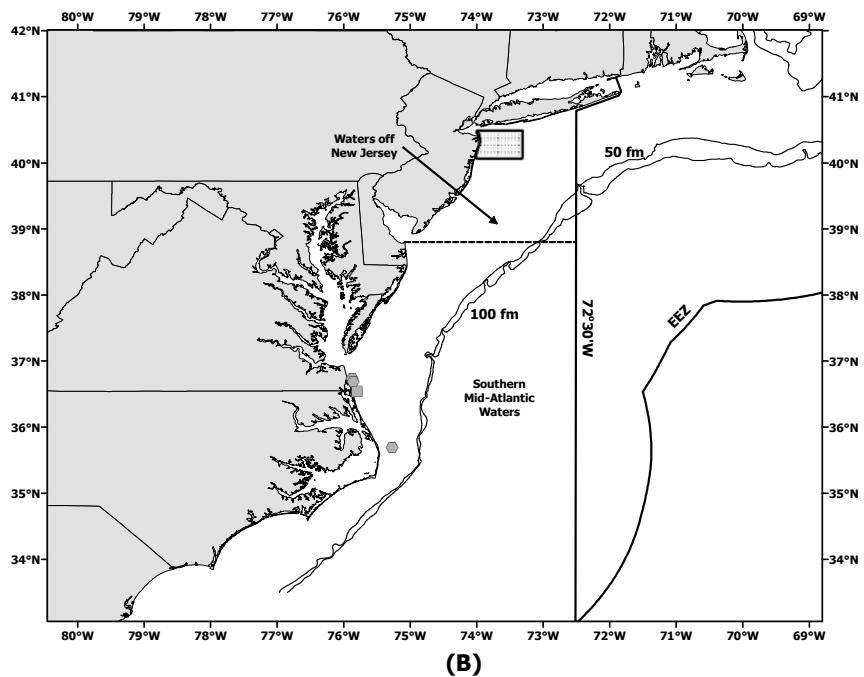
(B)

Figure 7. 2001 mid-Atlantic gillnet observed hauls (A) and observed incidental takes (B)

- Observed hauls
- Bottlenose Dolphin
- Harbor Porpoise
- New Jersey/Southern Mid-Atlantic Waters Boundary
- Mudhole Closure Area



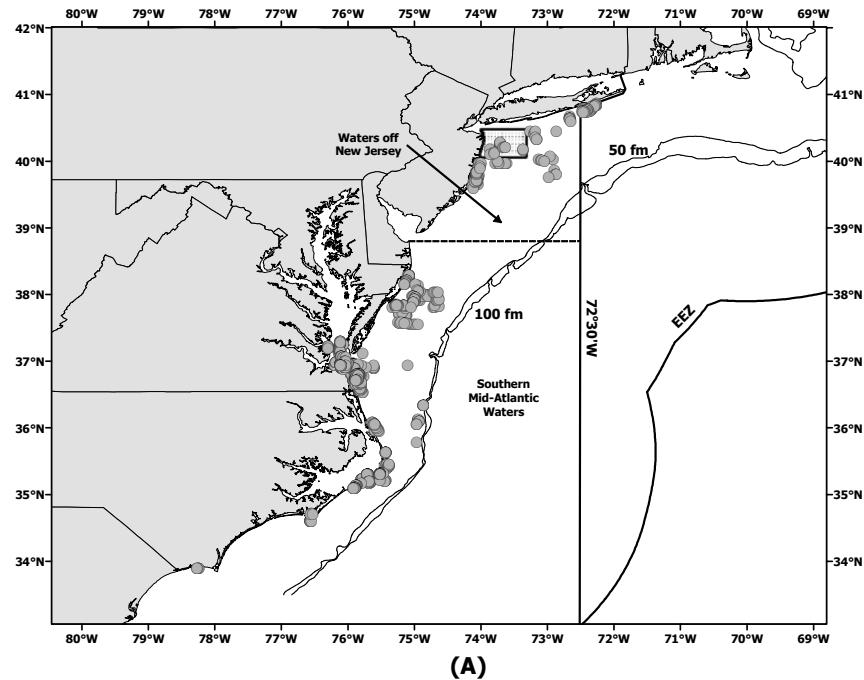
(A)



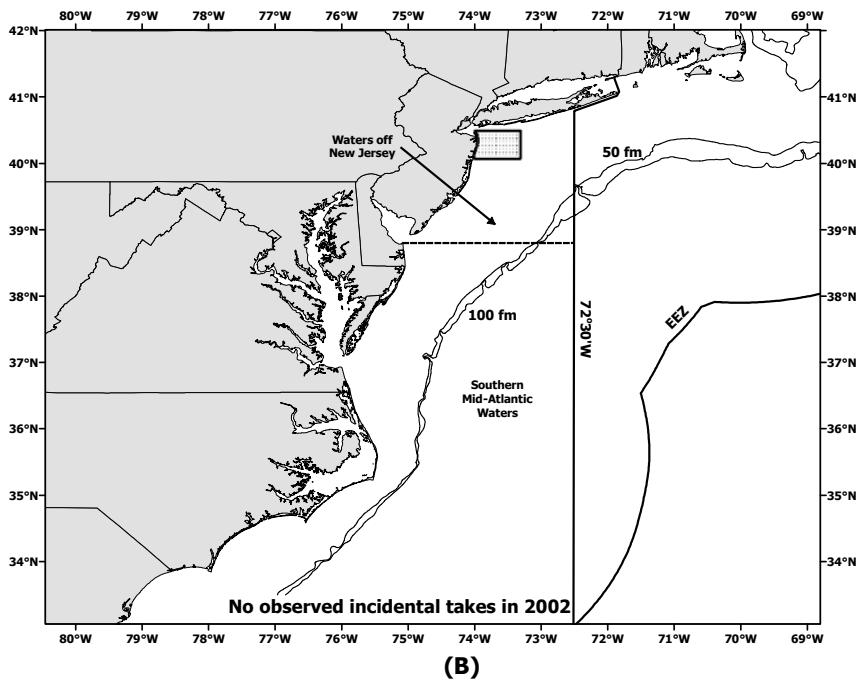
(B)

Figure 8. 2002 mid-Atlantic gillnet observed hauls (A) and observed incidental takes (B)

- Observed hauls
- New Jersey/Southern Mid-Atlantic Waters Boundary
- Mudhole Closure Area



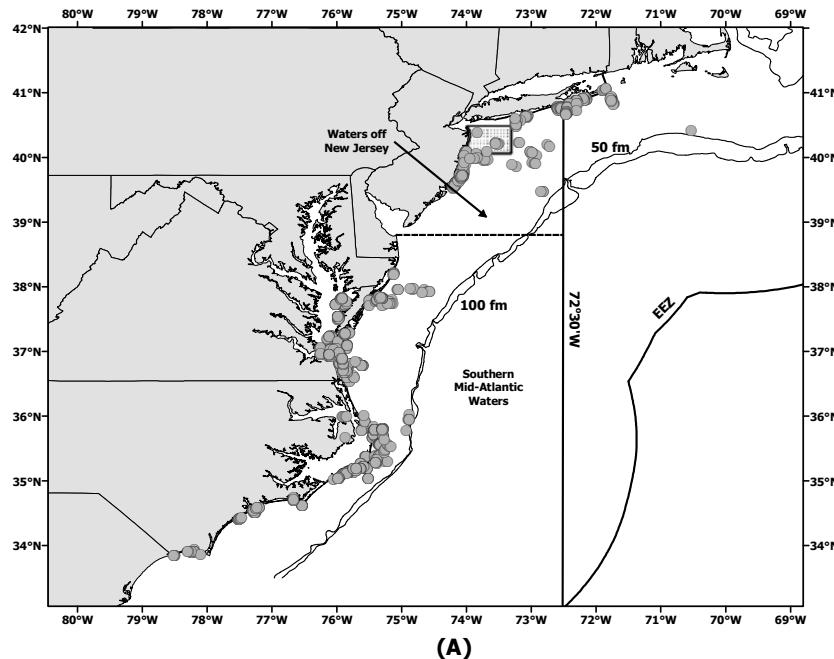
(A)



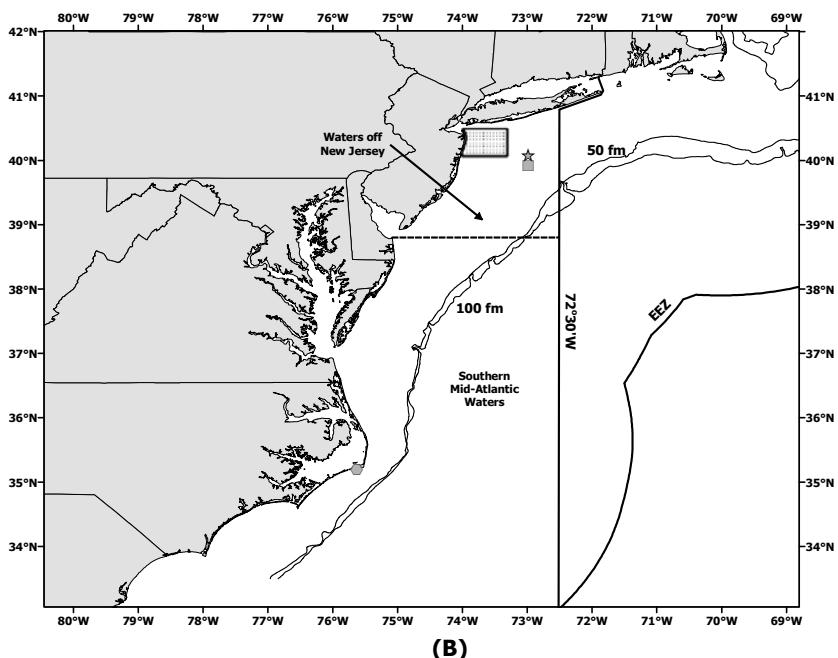
(B)

Figure 9. 2003 mid-Atlantic gillnet observed hauls (A) and observed incidental takes (B)

- Observed hauls
- Bottlenose Dolphin
- Harbor Porpoise
- ★ Unknown Seal
- New Jersey/Southern Mid-Atlantic Waters Boundary
- [■] Mudhole Closure Area



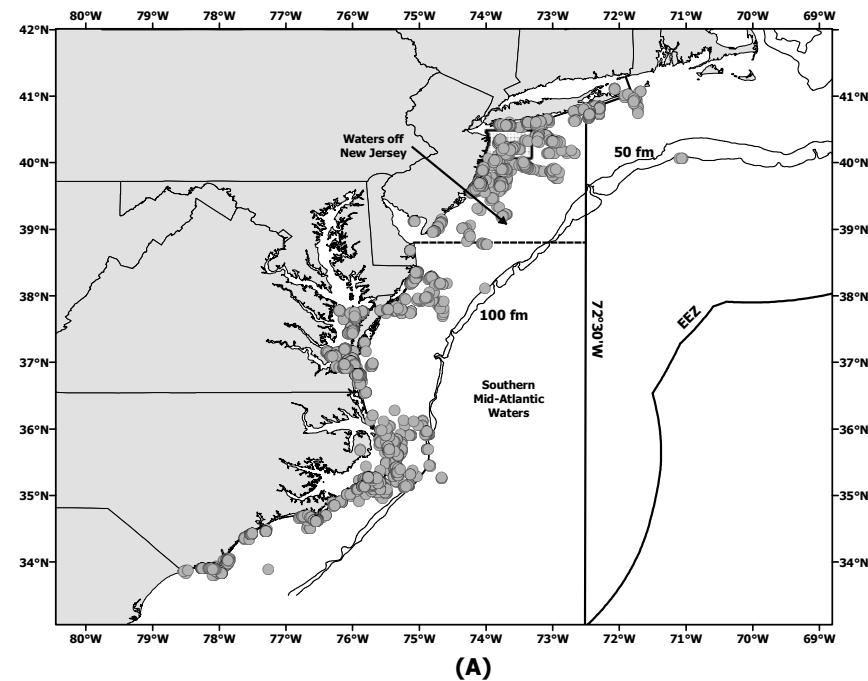
(A)



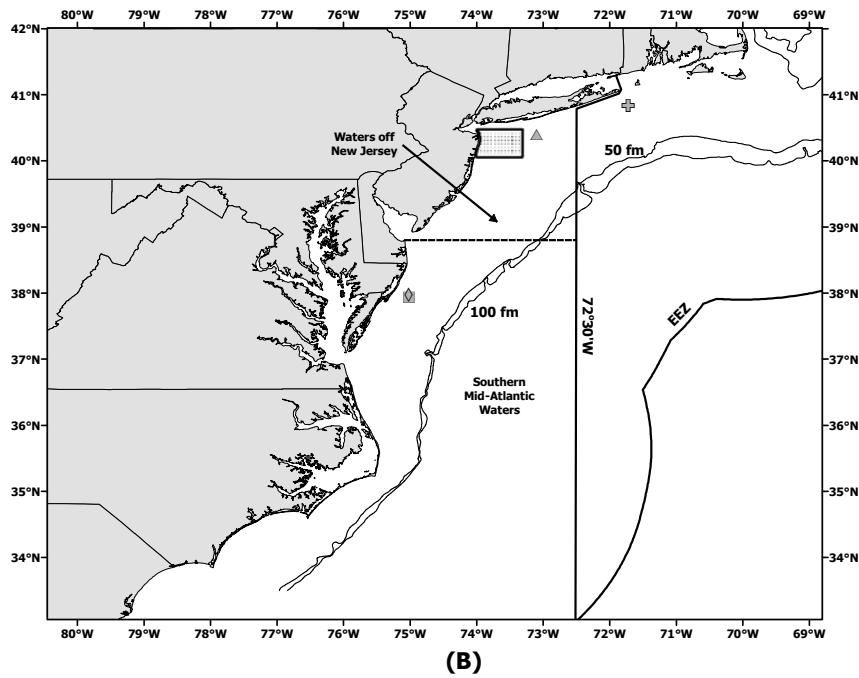
(B)

Figure 10. 2004 mid-Atlantic gillnet observed hauls (A) and observed incidental takes (B)

- Observed hauls
- Harbor Porpoise
- ◊ Harbor Porpoise/Gray Seal
- ▲ Harbor Seal
- ✚ Unknown Porpoise/Dolphin
- New Jersey/Southern Mid-Atlantic Waters Boundary
- Mudhole Closure Area



(A)

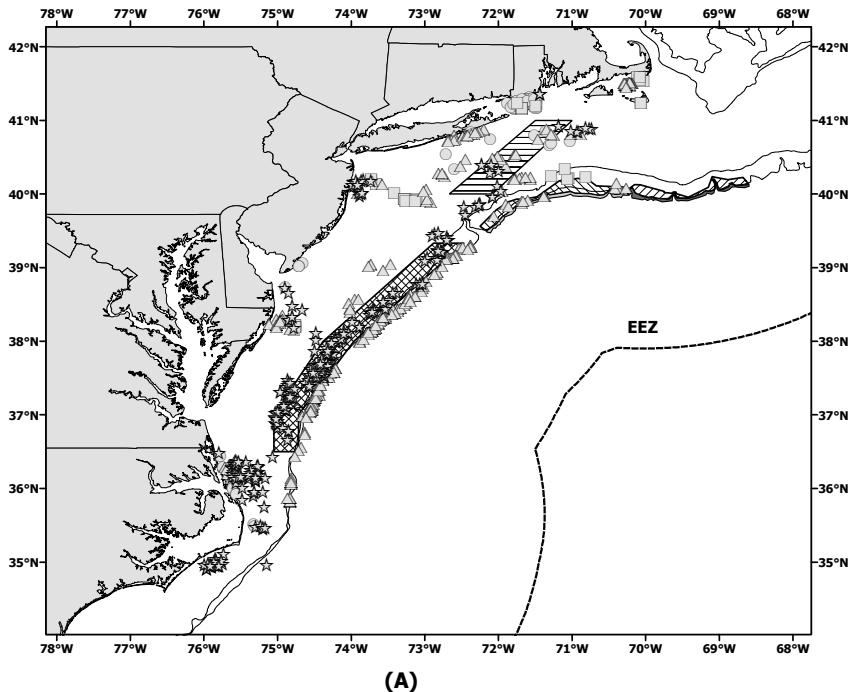


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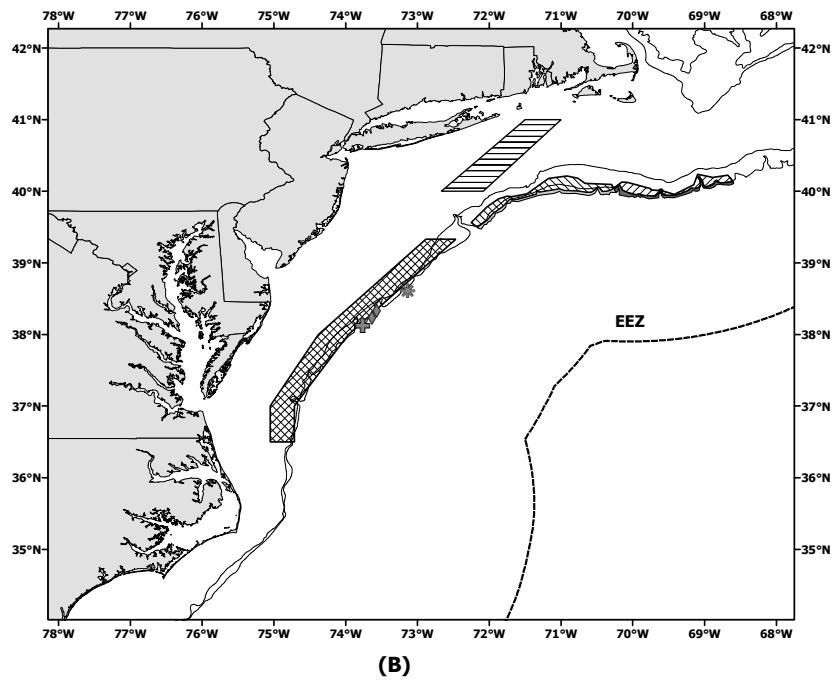
Figure 11. 2000 mid-Atlantic bottom trawl observed tows (A) and observed incidental takes (B)

Observed tows

- mixed finfish/invertebrates
 - multi-species groundfish
 - △ squid/mackerel/butterfish
 - ☆ summer flounder/scup/black sea bass
 - ◊ common dolphin
 - ✚ long-finned pilot whale
 - ✳ unknown pilot whale
- | | |
|---|-------------------------------|
| ■ | Restricted Gear Area 1 |
| □ | Restricted Gear Area 2 |
| ▨ | Restricted Gear Area 3 |
| ▨ | Restricted Gear Area 4 |
| ▨ | Northern Gear Restricted Area |
| ▨ | Southern Gear Restricted Area |



(A)

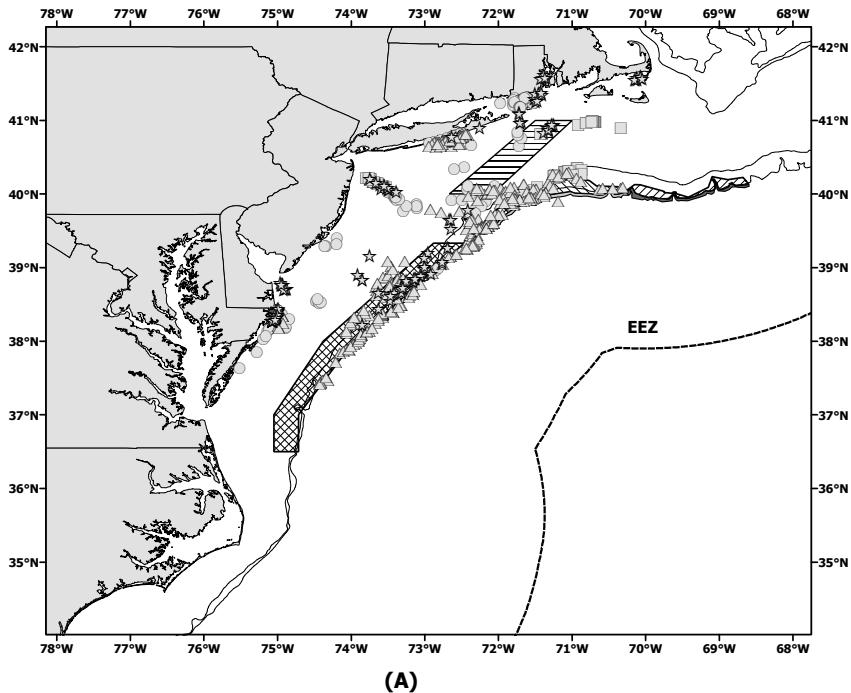


(B)

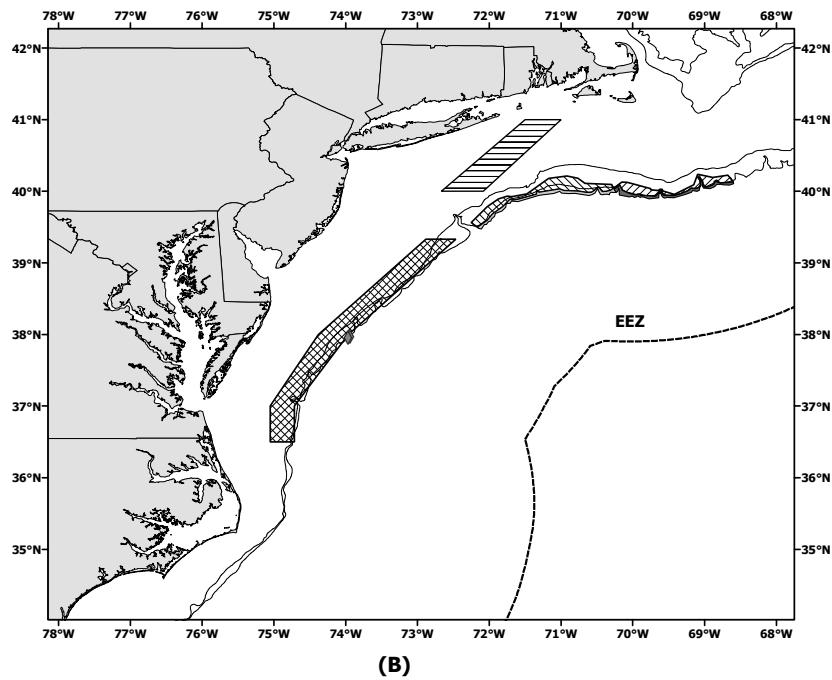
Figure 12. 2001 mid-Atlantic bottom trawl observed tows (A) and observed incidental takes (B)

Observed tows

- mixed finfish/invertebrates
 - multi-species groundfish
 - △ squid/mackerel/butterfish
 - ☆ summer flounder/scup/black sea bass
 - ◊ common dolphin
- | | |
|---|-------------------------------|
| ■ | Restricted Gear Area 1 |
| ■ | Restricted Gear Area 2 |
| ▨ | Restricted Gear Area 3 |
| ▨ | Restricted Gear Area 4 |
| ▨ | Northern Gear Restricted Area |
| ▨ | Southern Gear Restricted Area |



(A)



(B)

Figure 13. 2002 mid-Atlantic bottom trawl observed tows (A) and observed incidental takes (B)

Observed tows

- mixed finfish/invertebrates
 - multi-species groundfish
 - △ squid/mackerel/butterfish
 - ☆ summer flounder/scup/black sea bass
- | | |
|---|-------------------------------|
| ■ | Restricted Gear Area 1 |
| ■ | Restricted Gear Area 2 |
| ▨ | Restricted Gear Area 3 |
| ▨ | Restricted Gear Area 4 |
| ▨ | Northern Gear Restricted Area |
| ▨ | Southern Gear Restricted Area |

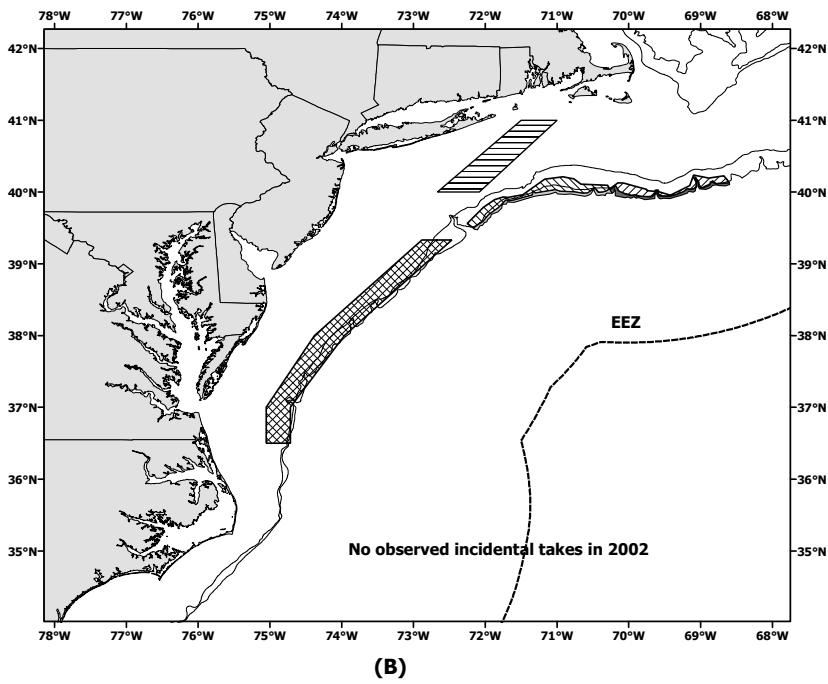
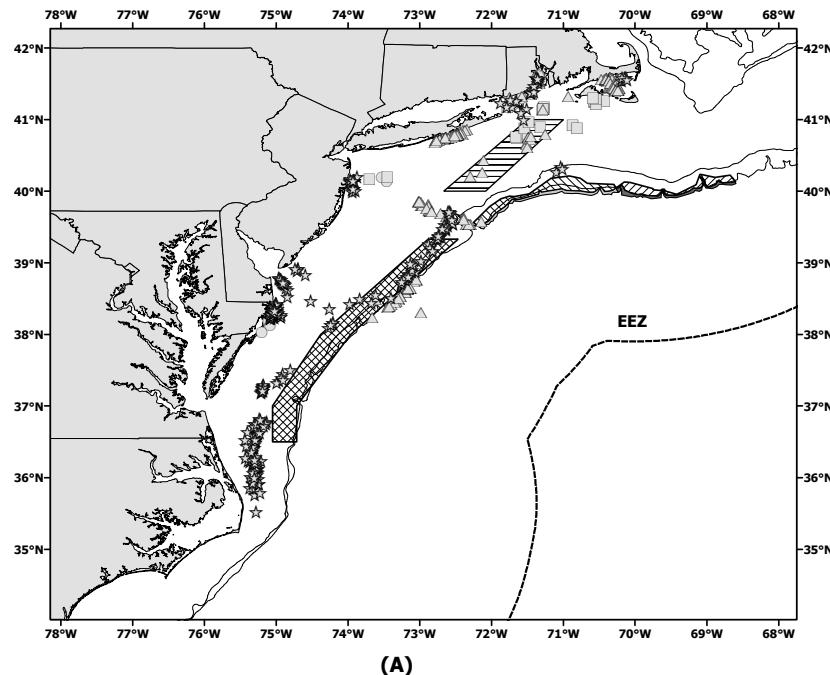
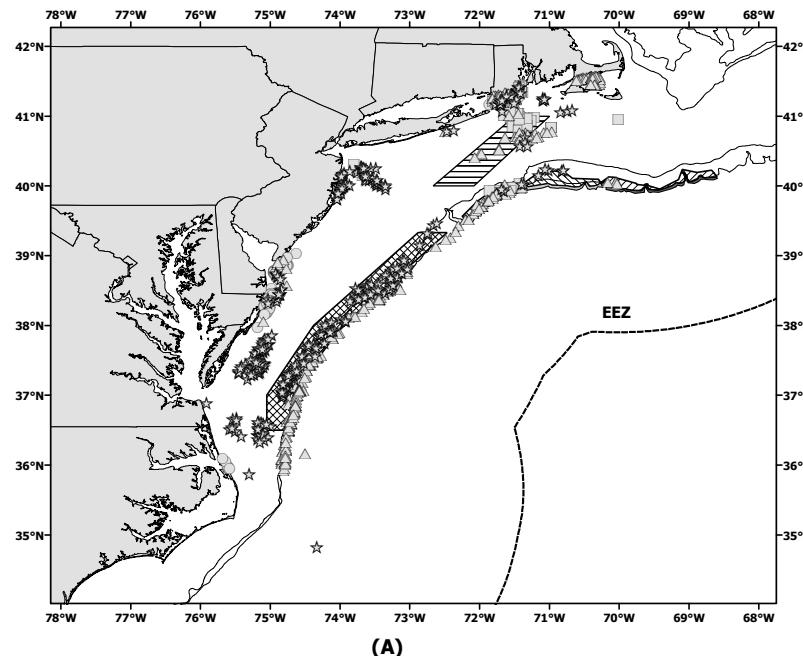


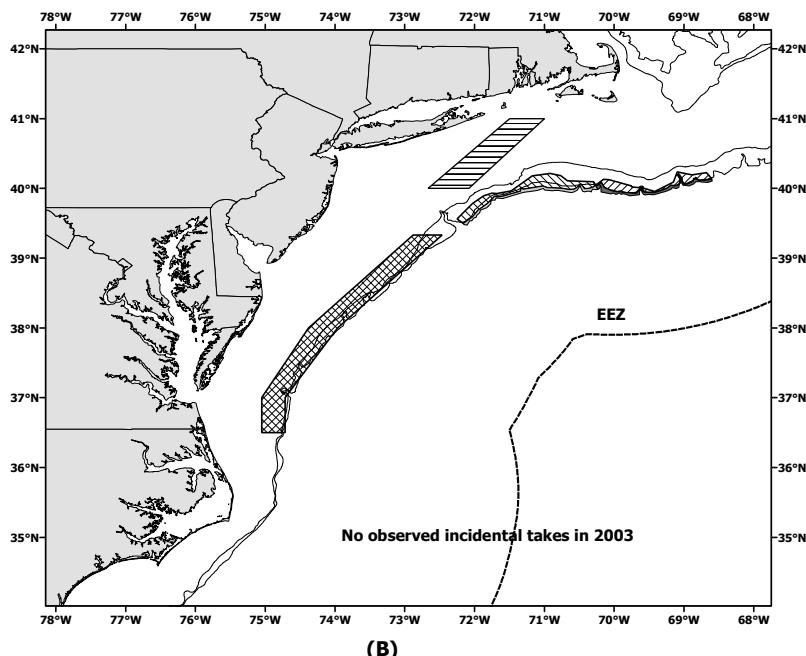
Figure 14. 2003 mid-Atlantic bottom trawl observed tows (A) and observed incidental takes (B)

Observed tows

- mixed finfish/invertebrates
 - multi-species groundfish
 - △ squid/mackerel/butterfish
 - ☆ summer flounder/scup/black sea bass
- | | |
|---|-------------------------------|
| ■ | Restricted Gear Area 1 |
| ■ | Restricted Gear Area 2 |
| ▨ | Restricted Gear Area 3 |
| ▨ | Restricted Gear Area 4 |
| ▨ | Northern Gear Restricted Area |
| ▨ | Southern Gear Restricted Area |



(A)

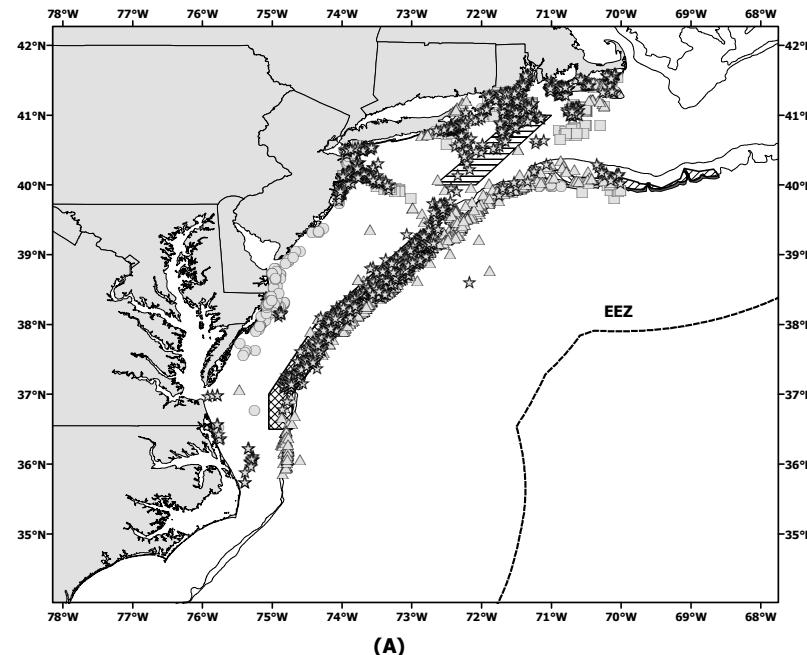


(B)

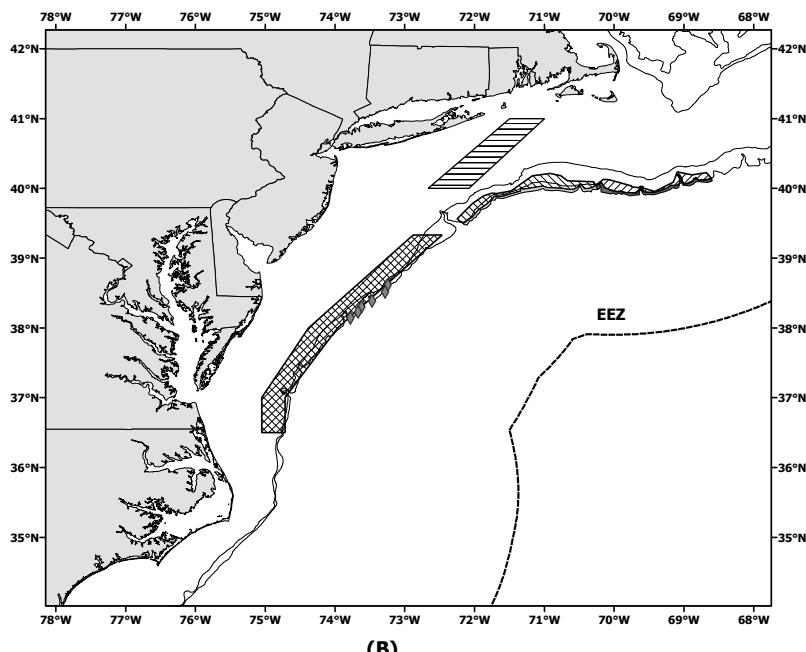
Figure 15. 2004 mid-Atlantic bottom trawl observed tows (A) and observed incidental takes (B)

Observed tows

- mixed finfish/invertebrates
 - multi-species groundfish
 - △ squid/mackerel/butterfish
 - ★ summer flounder/scup/black sea bass
 - ◆ common dolphin
- | | |
|---|-------------------------------|
| ■ | Restricted Gear Area 1 |
| ■ | Restricted Gear Area 2 |
| ▨ | Restricted Gear Area 3 |
| ▨ | Restricted Gear Area 4 |
| ▨ | Northern Gear Restricted Area |
| ▨ | Southern Gear Restricted Area |



(A)

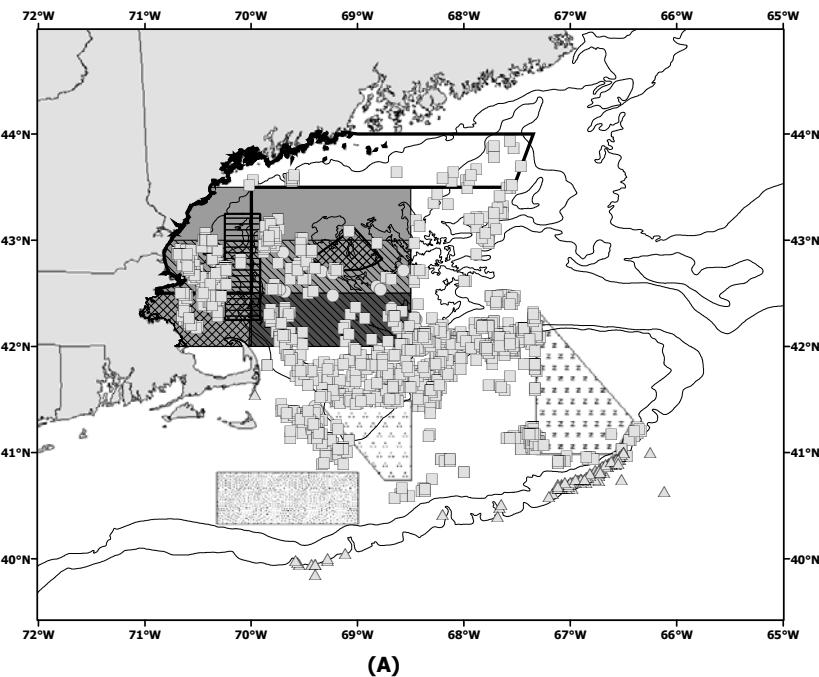


(B)

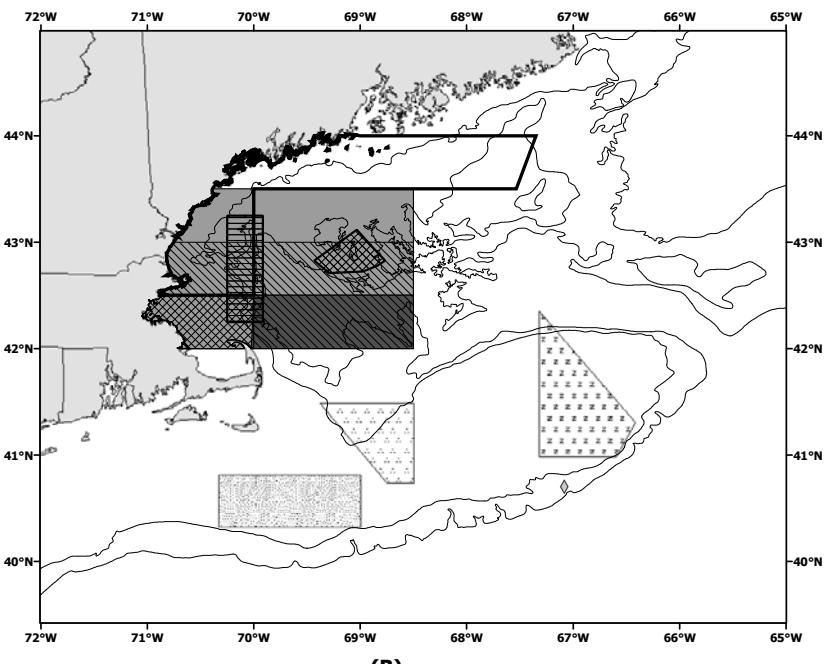
Figure 16. 2000 Northeast bottom trawl observed tows (A) and observed incidental takes (B)

Observed tows

- mixed finfish/invertebrates
- multi-species groundfish
- △ squid/mackerel/butterfish
- ◊ common dolphin
- Cashes Ledge
- Western Gulf Of Maine Closed Area
- Rolling Closure Area 2
- Rolling Closure Area 4
- Rolling Closure Area 5
- Rolling Closure Area 1
- Rolling Closure Area 3
- Closed Area 1
- Closed Area 2
- Nantucket Lightship Closed Area



(A)

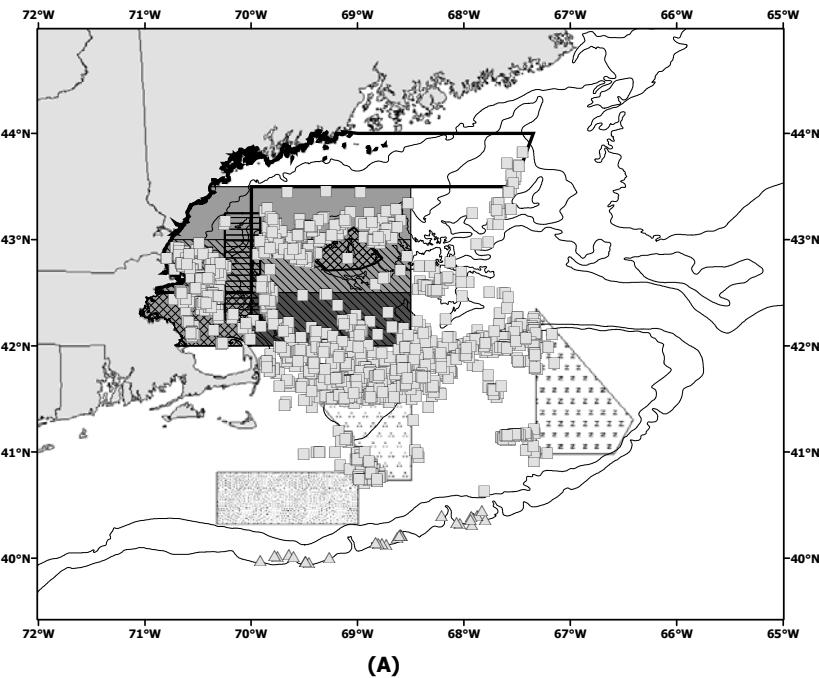


(B)

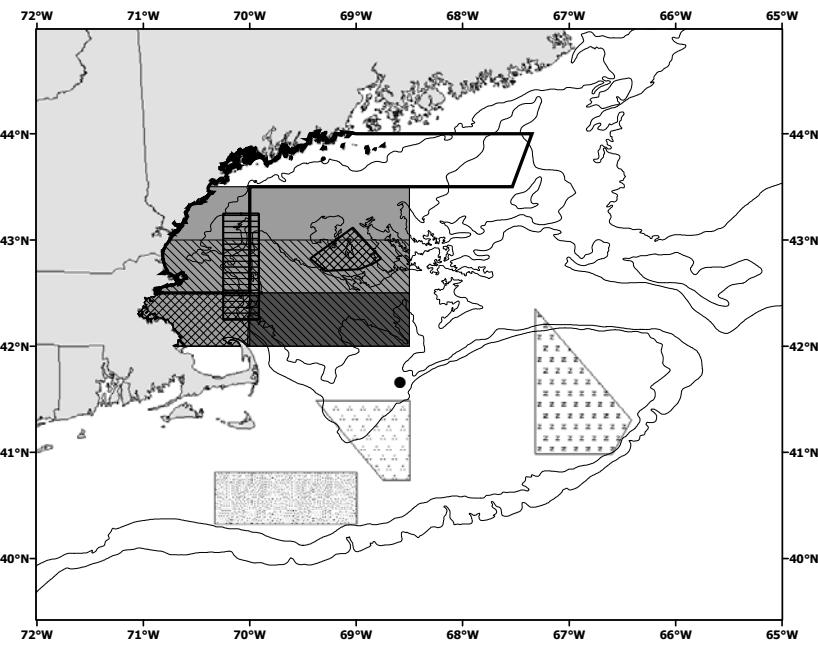
Figure 17. 2001 Northeast bottom trawl observed tows (A) and observed incidental takes (B)

Observed tows

- mixed finfish/invertebrates
- multi-species groundfish
- △ squid/mackerel/butterfish
- harp seal
- Cashes Ledge
- Western Gulf Of Maine Closed Area
- Rolling Closure Area 2
- Rolling Closure Area 4
- Rolling Closure Area 5
- Rolling Closure Area 1
- Rolling Closure Area 3
- Closed Area 1
- Closed Area 2
- Nantucket Lightship Closed Area



(A)

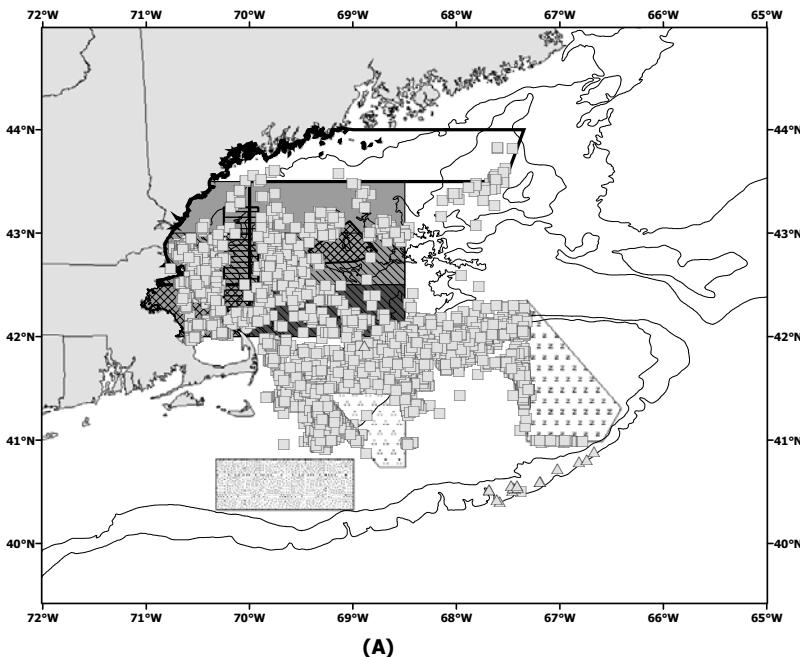


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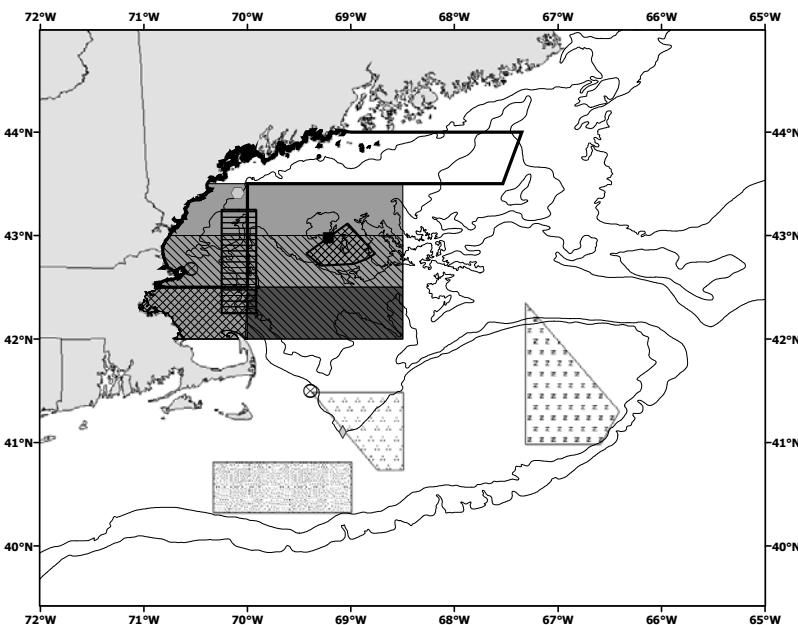
Figure 18. 2002 Northeast bottom trawl observed tows (A) and observed incidental takes (B)

Observed tows

- mixed finfish/invertebrates
 - multi-species groundfish
 - △ squid/mackerel/butterfish
 - ◊ common dolphin
 - harbor seal
 - ⊗ unknown seal
 - white-sided dolphin
- Cashes Ledge
■ Western Gulf Of Maine Closed Area
■ Rolling Closure Area 2
■ Rolling Closure Area 4
■ Rolling Closure Area 5
■ Rolling Closure Area 1
■ Rolling Closure Area 3
■ Closed Area 1
■ Closed Area 2
■ Nantucket Lightship Closed Area



(A)



(B)

Figure 19. 2003 Northeast bottom trawl observed tows (A) and observed incidental takes (B)

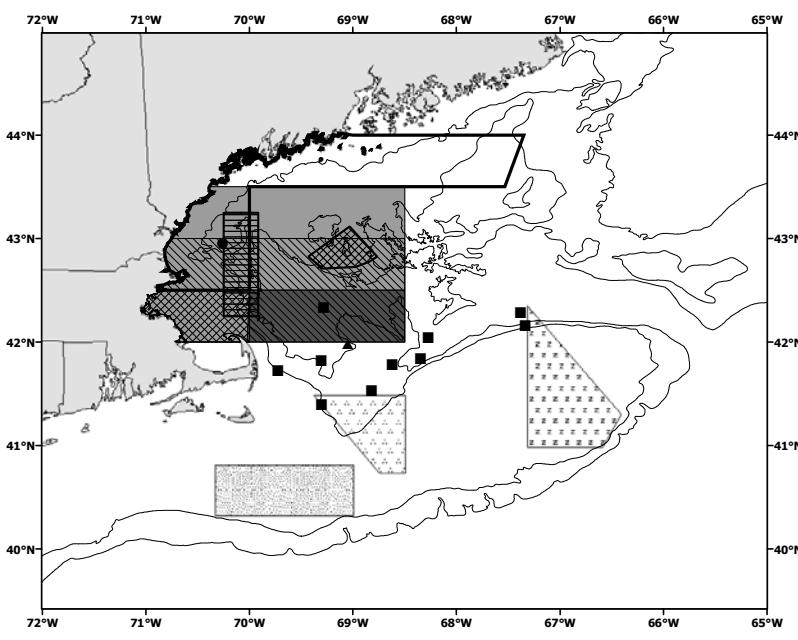
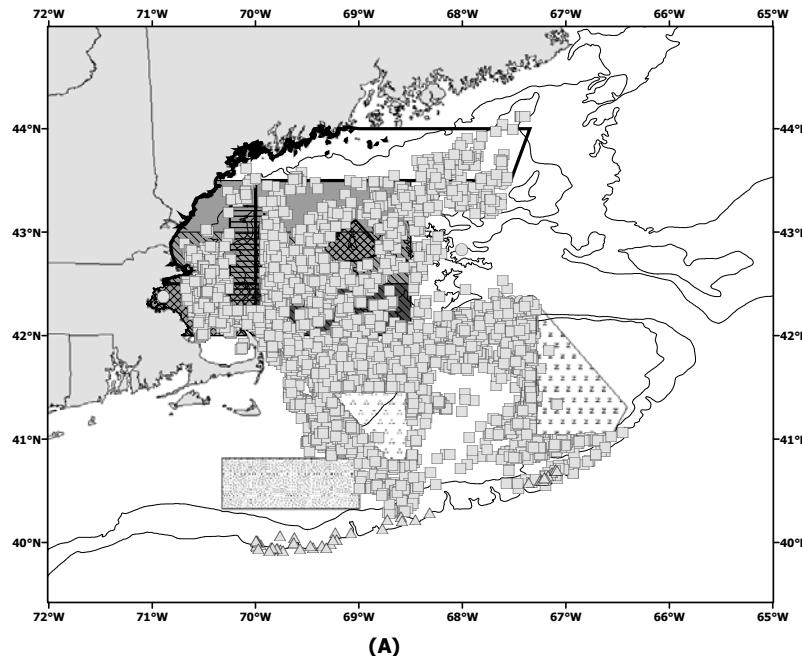
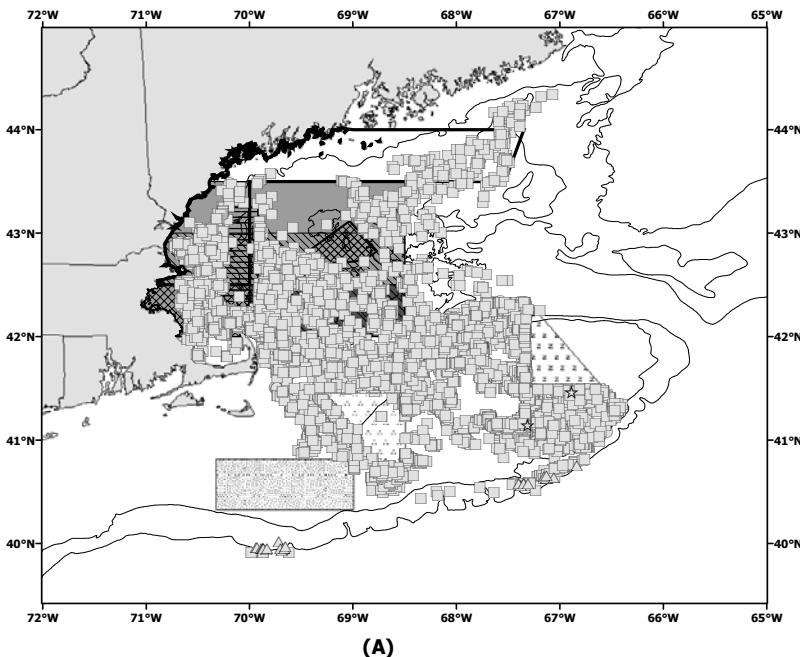


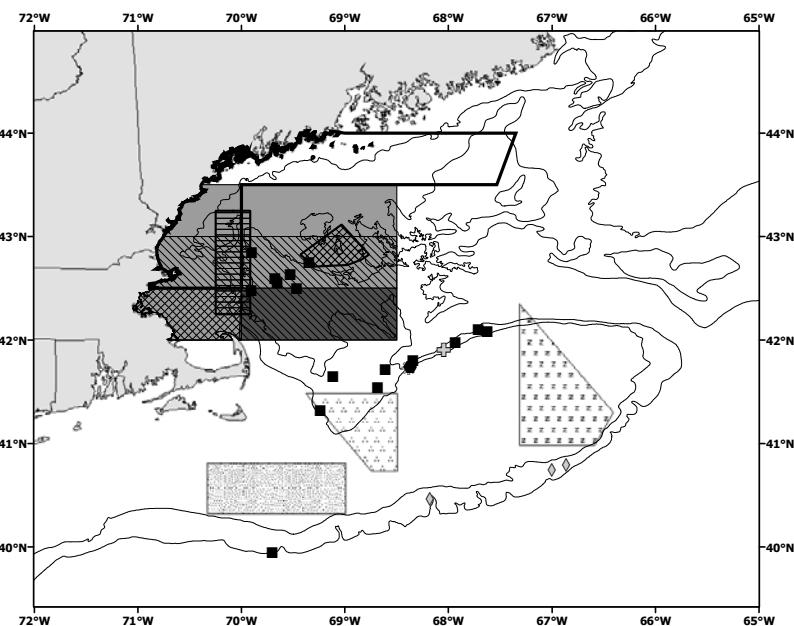
Figure 20. 2004 Northeast bottom trawl observed tows (A) and observed incidental takes (B)

Observed tows

- mixed finfish/invertebrates
 - multi-species groundfish
 - △ squid/mackerel/butterfish
 - ★ summer flounder/scup/black sea bass
 - ◊ common dolphin
 - + long-finned pilot whale
 - unknown pilot whale
 - ✳ unknown whale
 - white-sided dolphin
- Cashes Ledge
 Western Gulf Of Maine Closed Area
 Rolling Closure Area 2
 Rolling Closure Area 4
 Rolling Closure Area 5
 Rolling Closure Area 1
 Rolling Closure Area 3
 Closed Area 1
 Closed Area 2
 Nantucket Lightship Closed Area



(A)

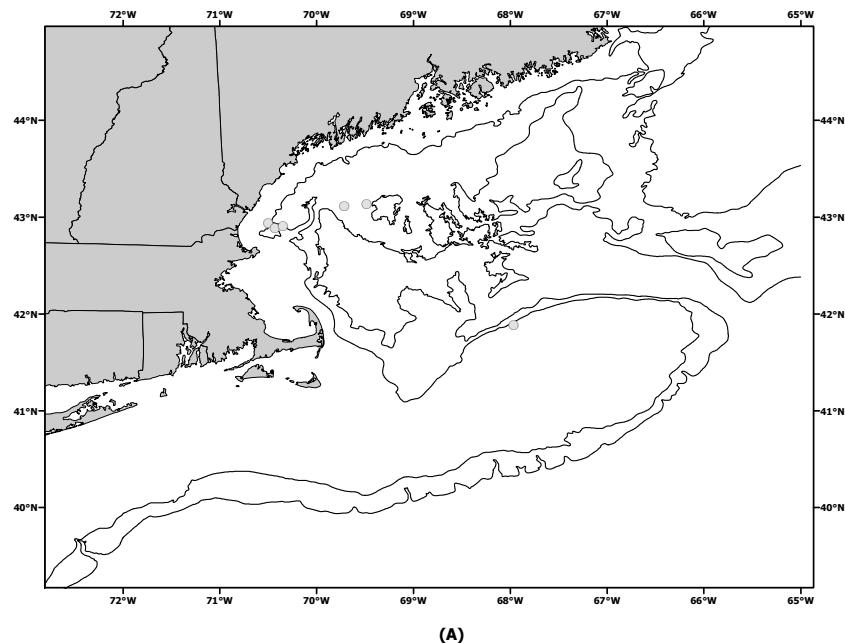


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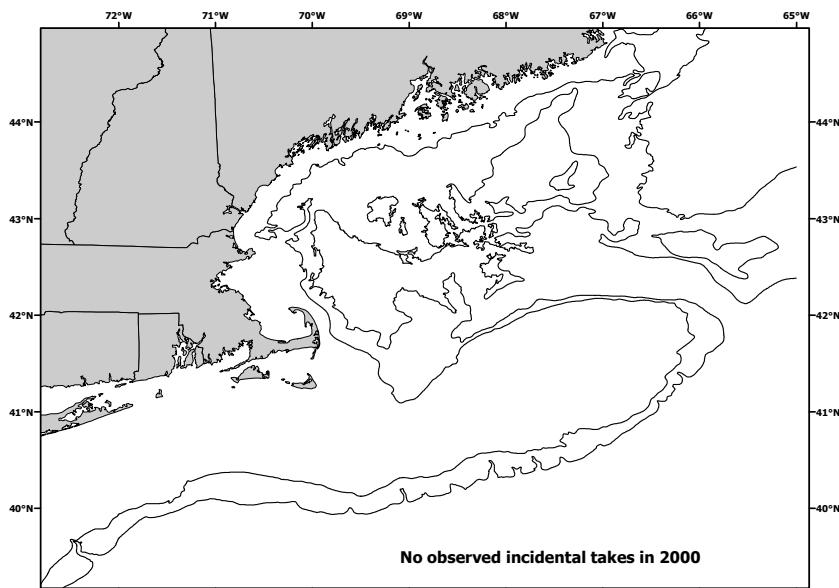
Figure 21. 2000 New England mid-water trawl observed tows (A) and observed incidental takes (B)

Observed tows

● Atlantic herring



(A)

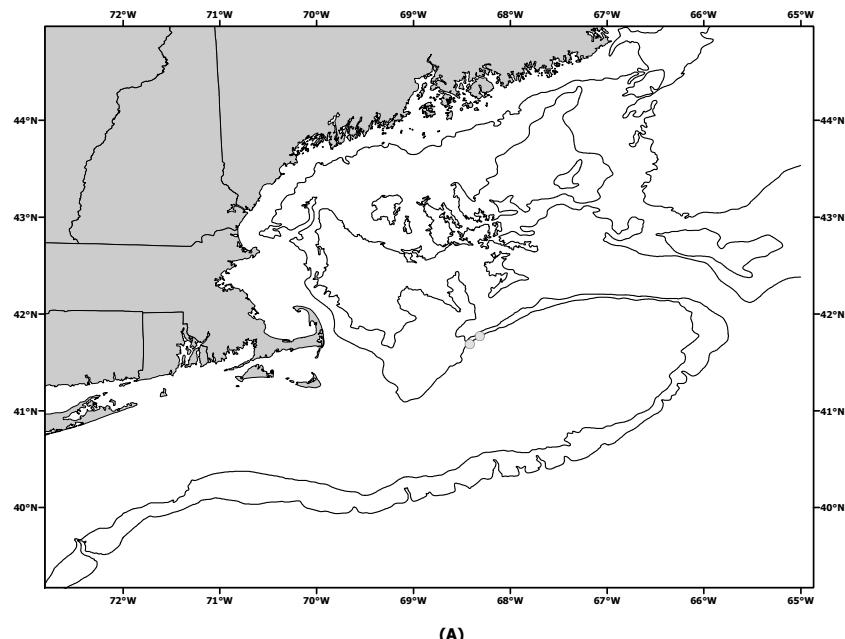


(B)

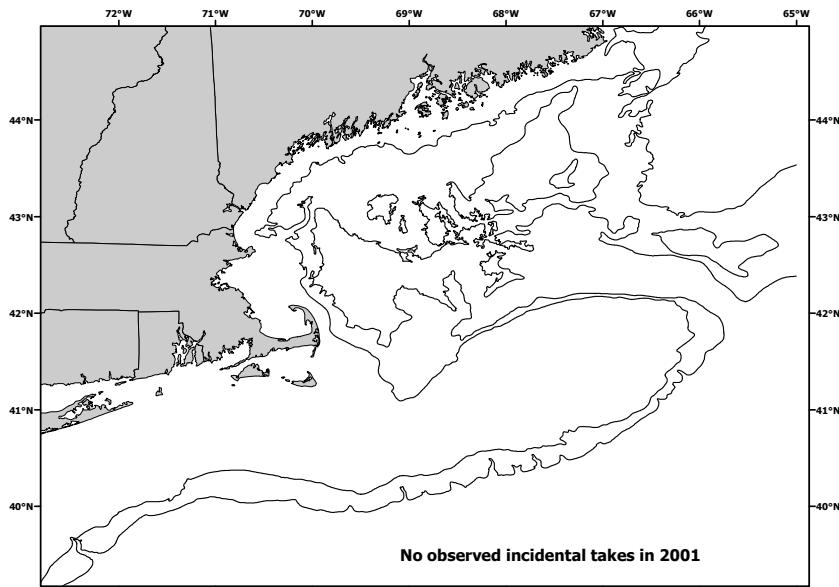
Figure 22. 2001 New England mid-water trawl observed tows (A) and observed incidental takes (B)

Observed tows

- Atlantic herring

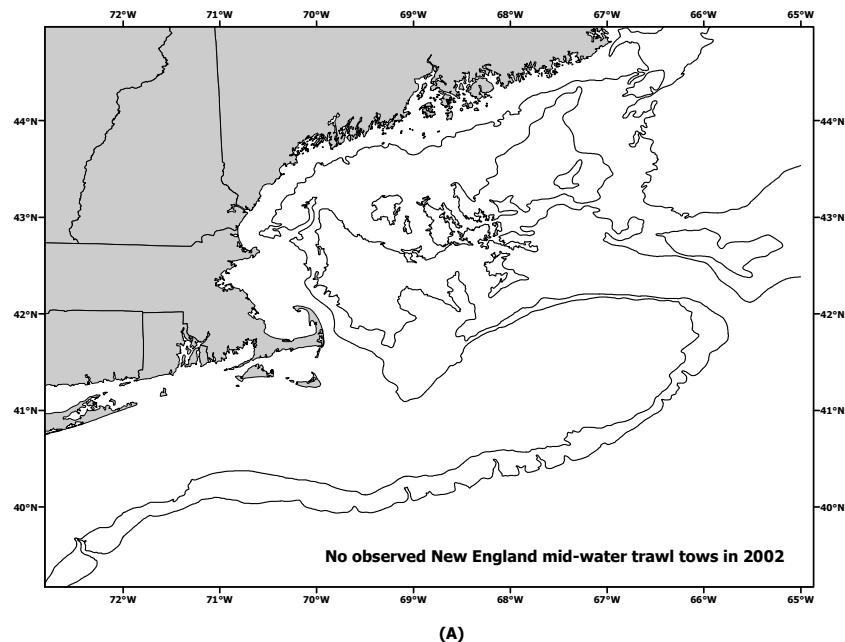


(A)

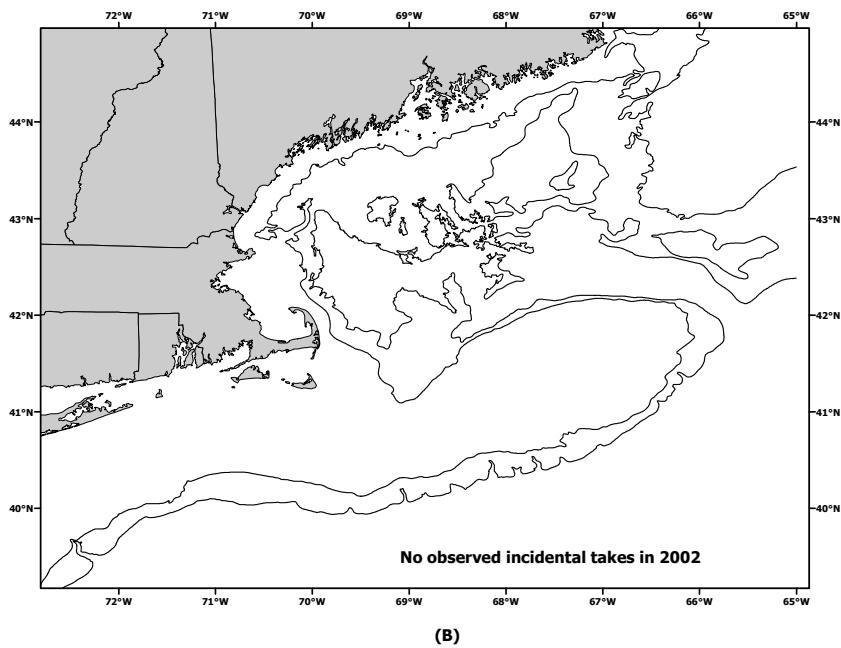


(B)

Figure 23. 2002 New England mid-water trawl observed tows (A) and observed incidental takes (B)



(A)

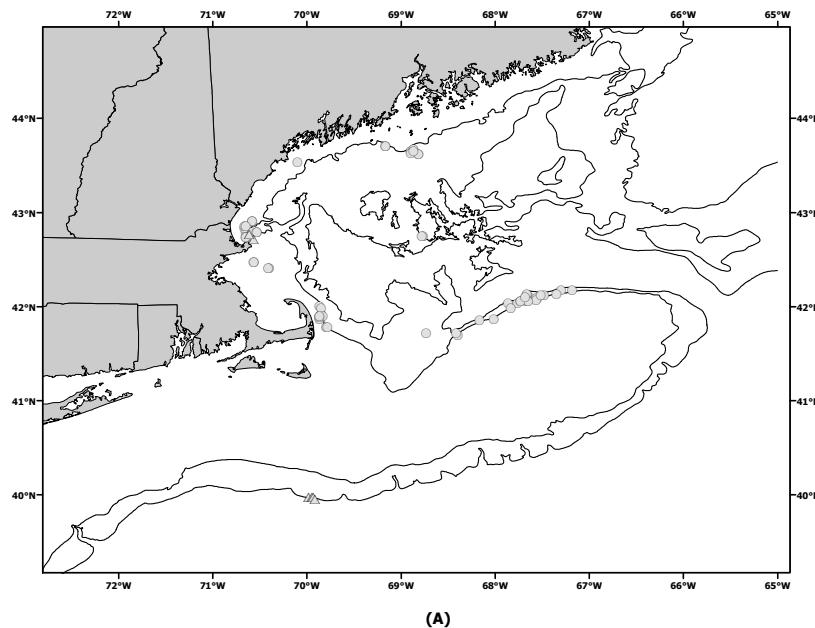


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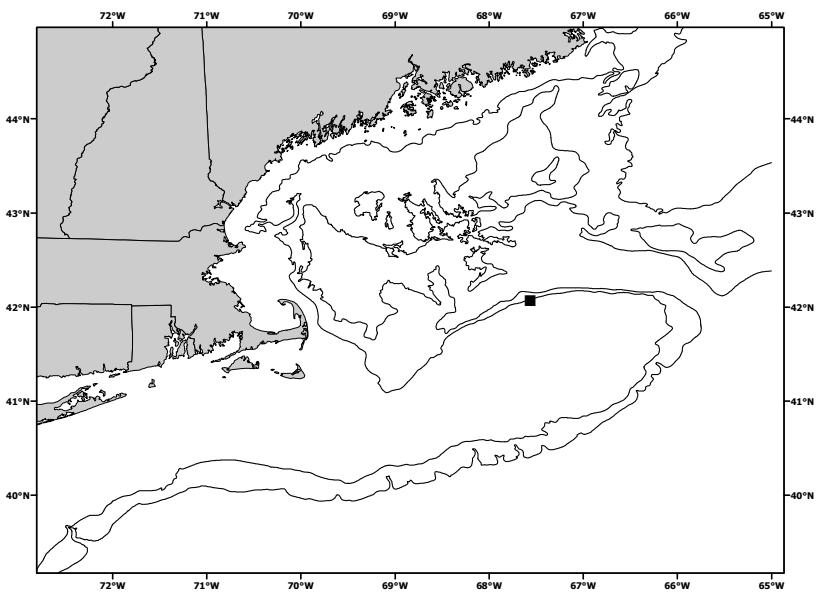
Figure 24. 2003 New England mid-water trawl observed tows (A) and observed incidental takes (B)

Observed tows

- Atlantic herring
- △ mixed finfish
- white-sided dolphin



(A)

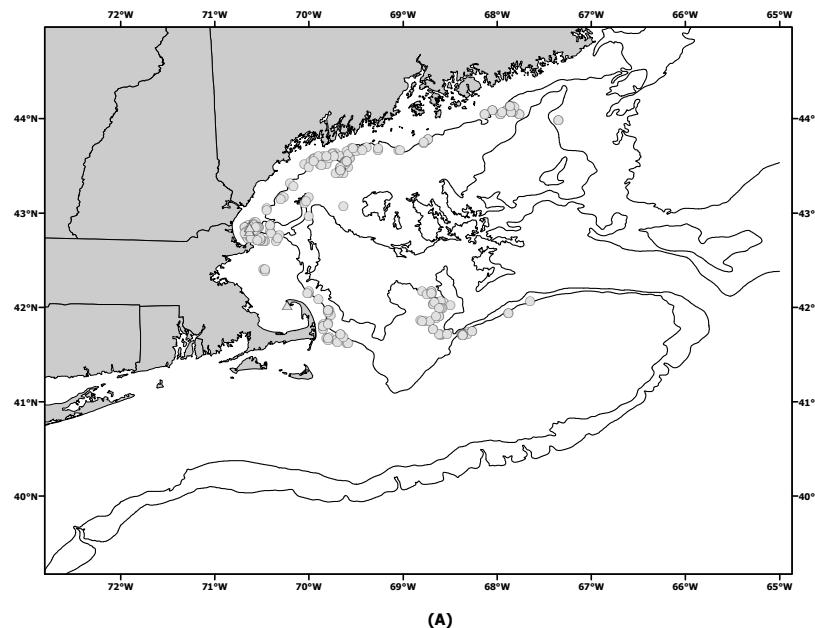


(B)

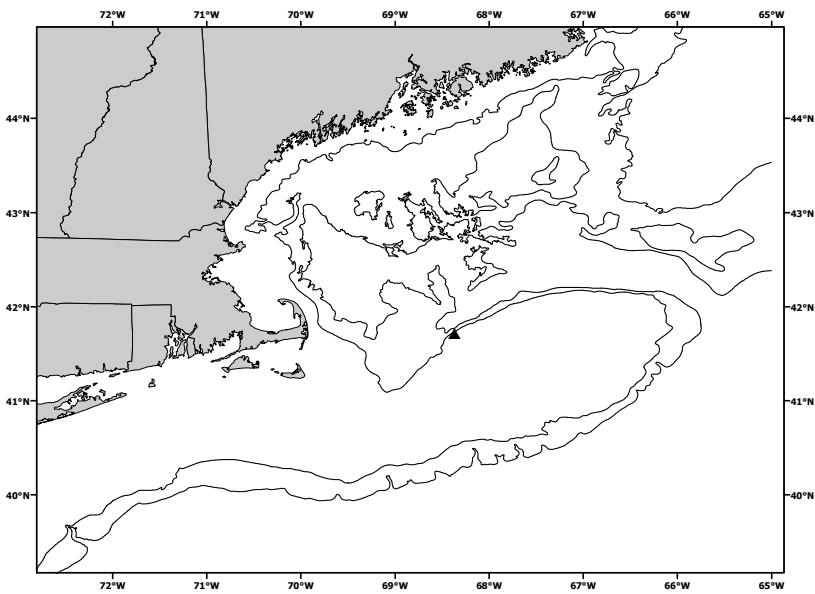
Figure 25. 2004 New England mid-water trawl observed tows (A) and observed incidental takes (B)

Observed tows

- Atlantic herring
- △ mixed finfish
- ▲ longfin pilot whale



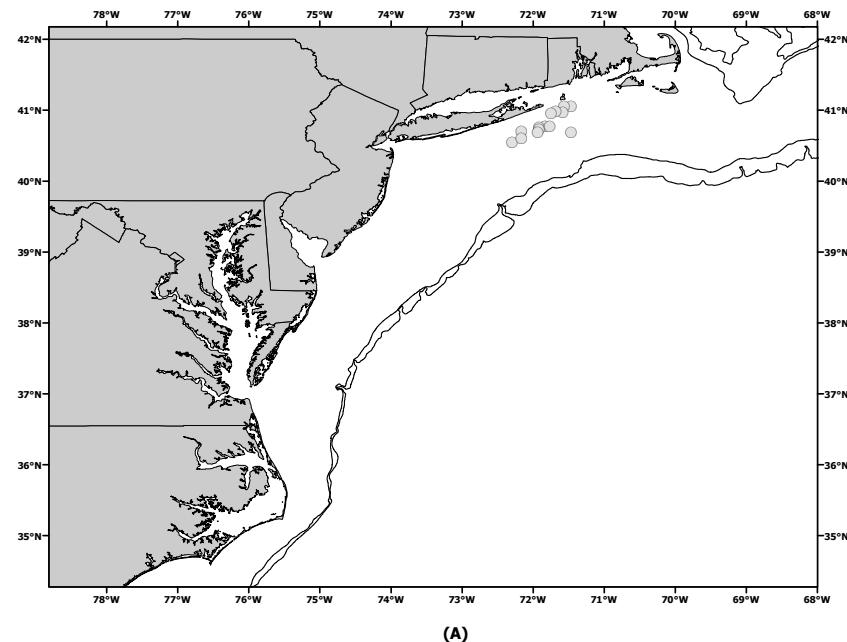
(A)



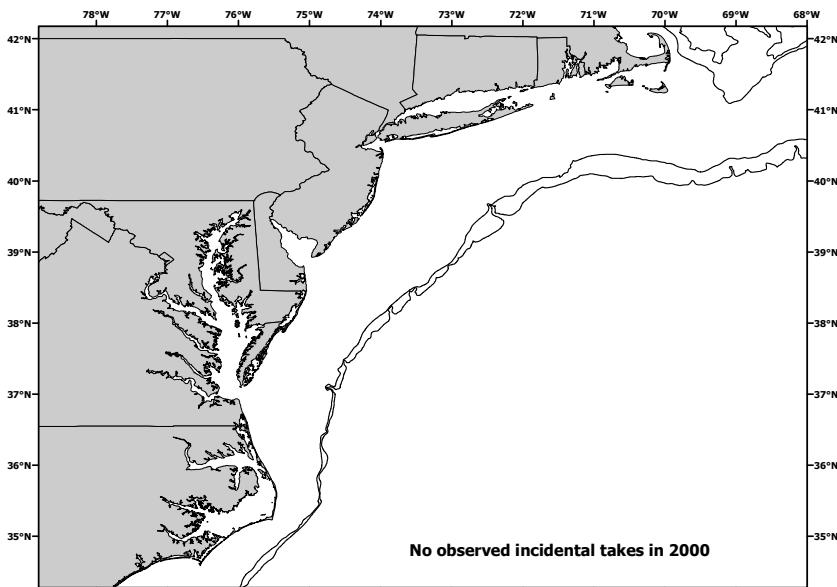
(B)

Figure 26. 2000 mid-Atlantic mid-water trawl observed tows (A) and observed incidental takes (B)

Observed tows
● Atlantic herring

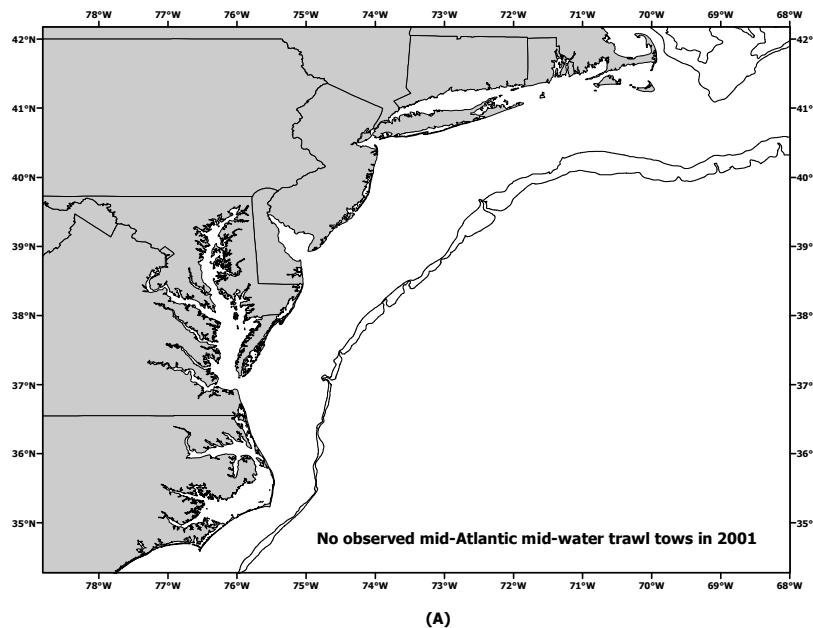


(A)

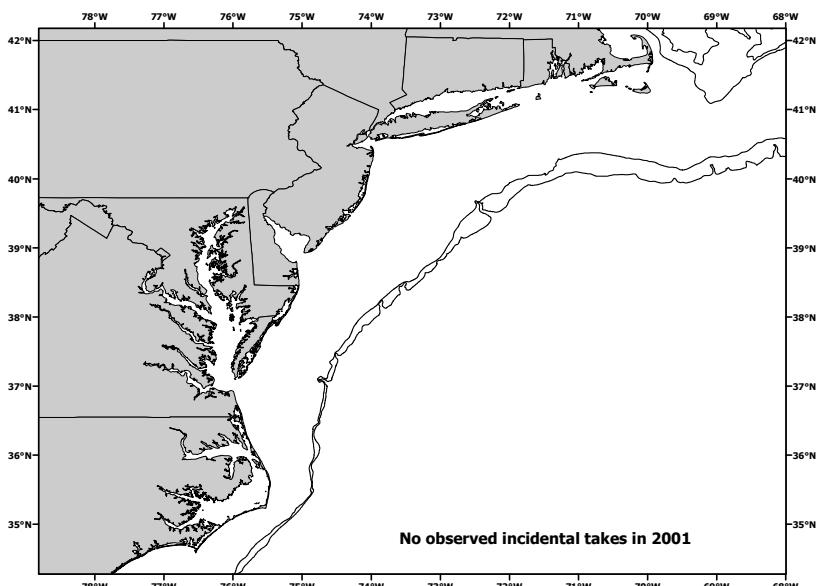


(B)

Figure 27. 2001 mid-Atlantic mid-water trawl observed tows (A) and observed incidental takes (B)



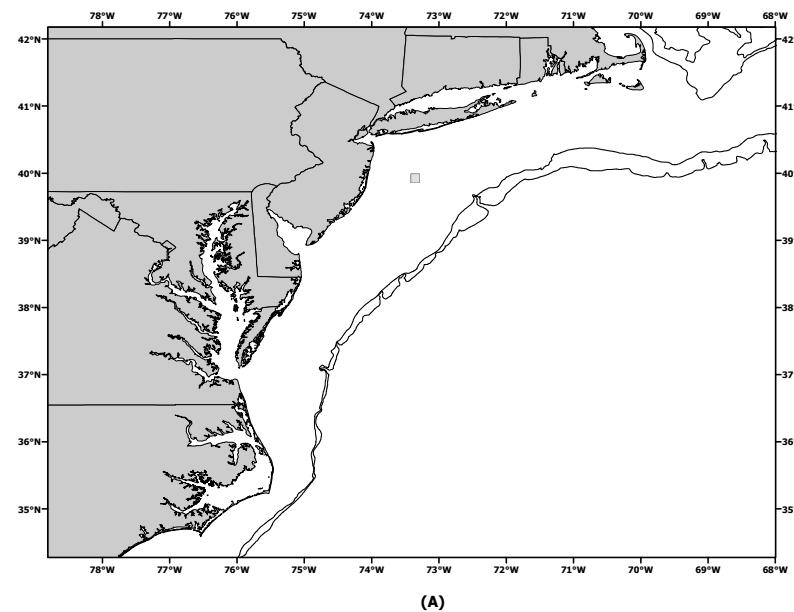
(A)



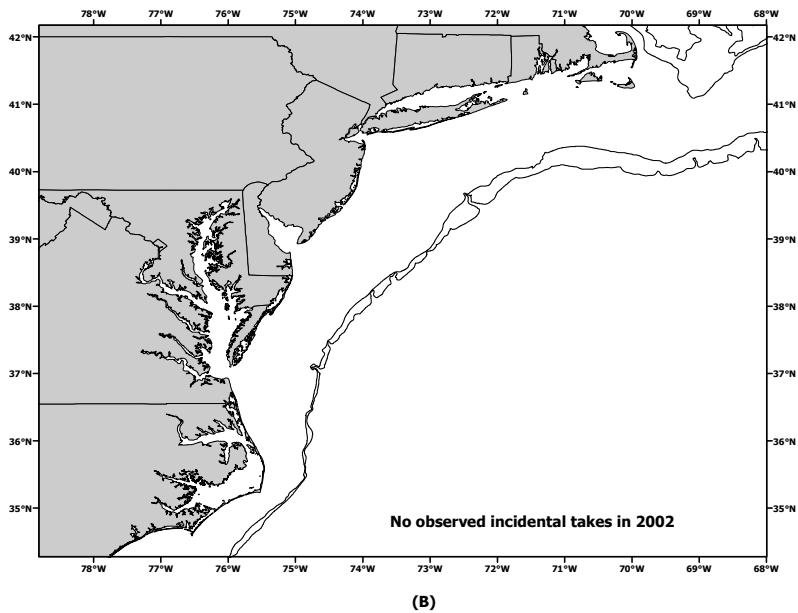
(B)

Figure 28. 2002 mid-Atlantic mid-water trawl observed tows (A) and observed incidental takes (B)

Observed tows
■ Atlantic mackerel



(A)



(B)

Figure 29. 2003 mid-Atlantic mid-water trawl observed tows (A) and observed incidental takes (B)

Observed tows

- Atlantic herring
- Atlantic mackerel
- △ mixed finfish

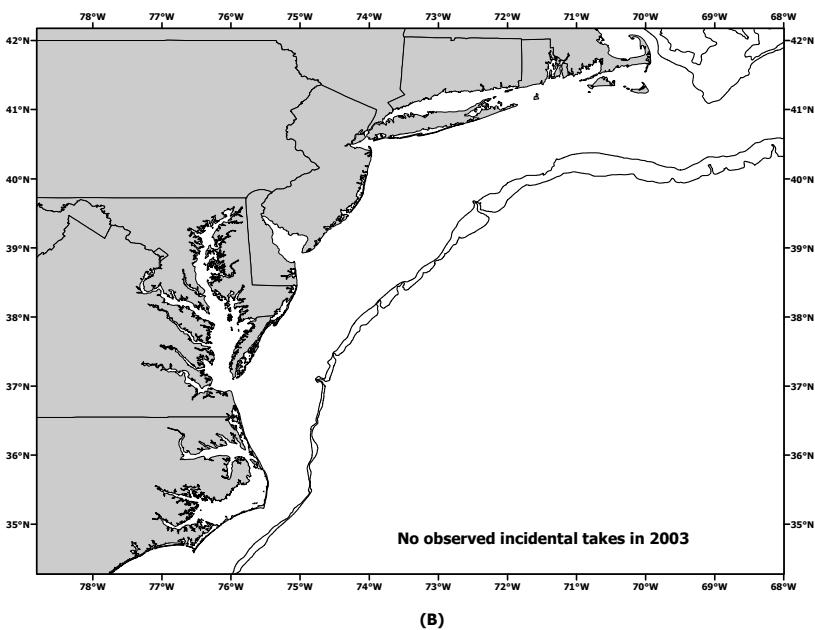
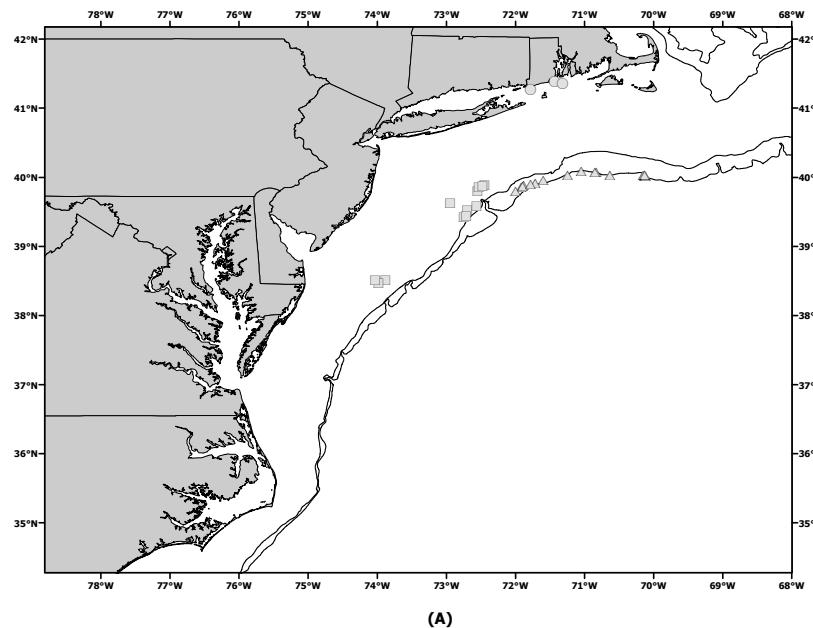
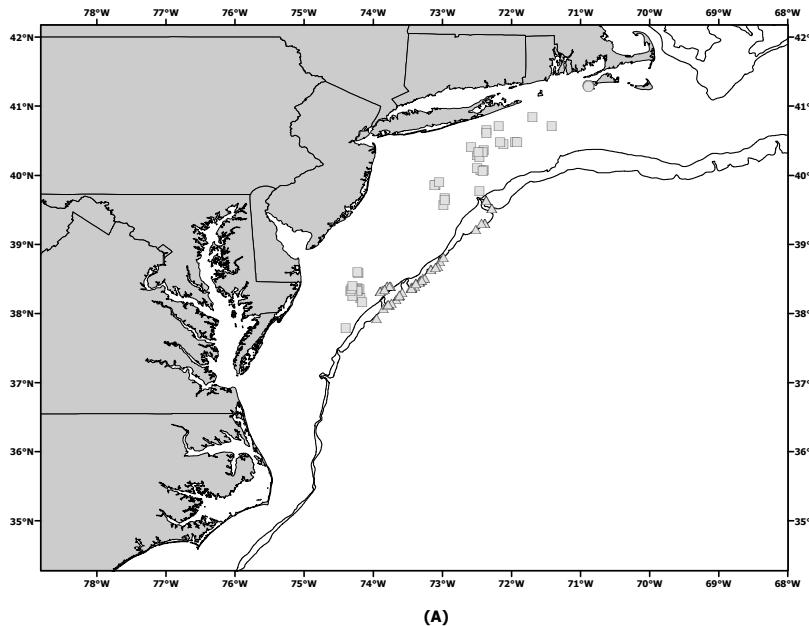


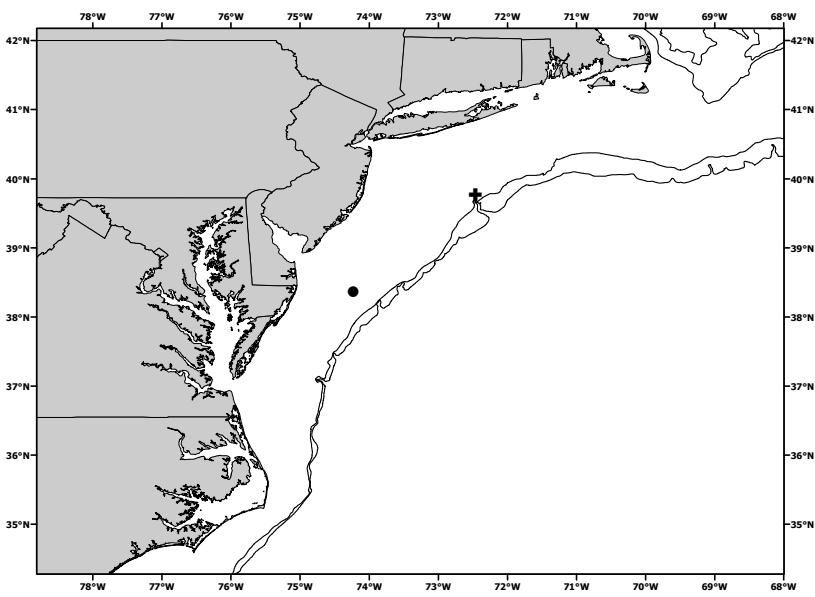
Figure 30. 2004 mid-Atlantic mid-water trawl observed tows (A) and observed incidental takes (B)

Observed tows

- Atlantic herring
- Atlantic mackerel
- △ mixed finfish
- unknown dolphin
- + white-sided dolphin



(A)



(B)

Figure 31. There was no observer coverage during the years 2000-2002

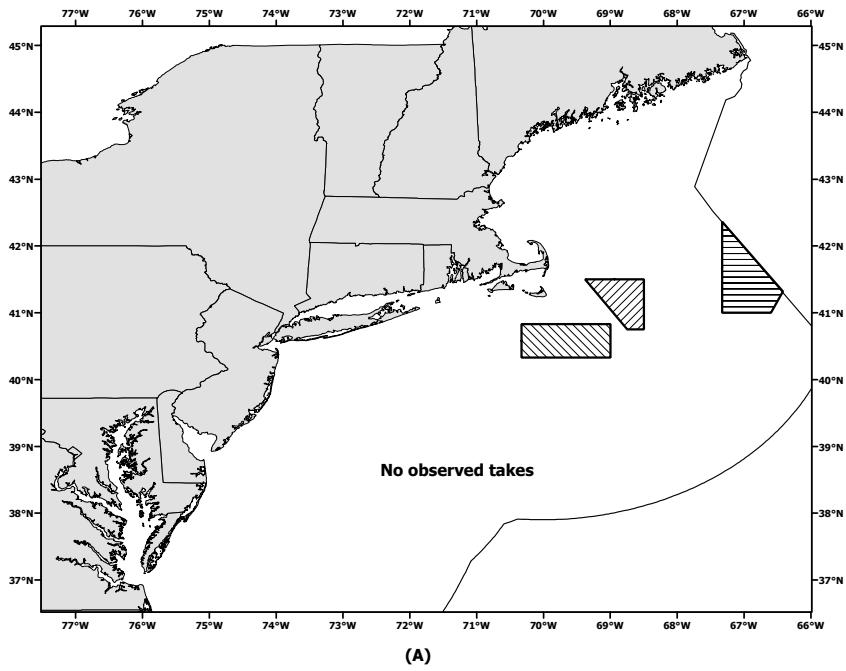
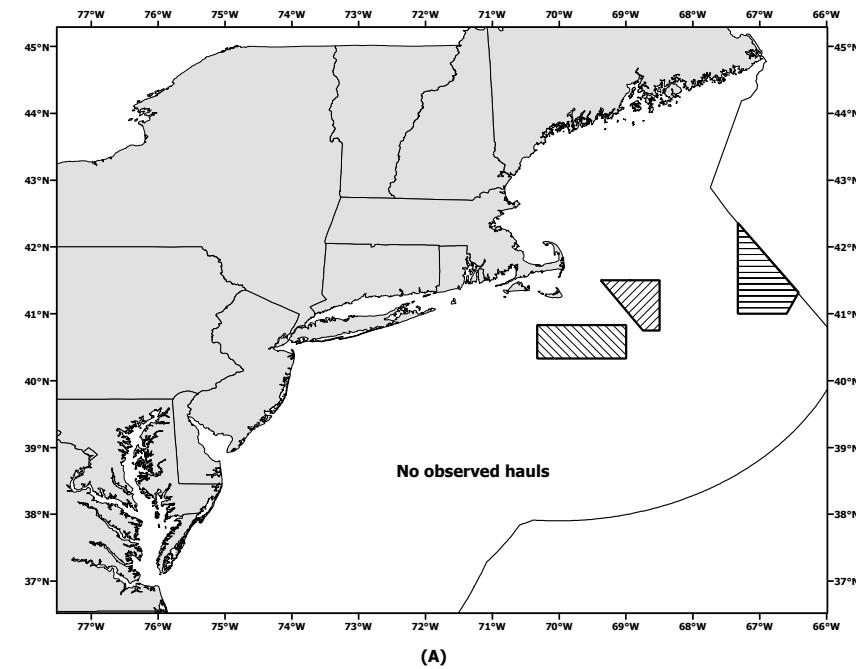


Figure 32. 2003 Atlantic herring purse seine observed hauls (A) and observed incidental takes (B)

- Observed hauls
- ▨ Closed Area 1
- ▨ Closed Area 2
- ▨ Nantucket Lightship Closed Area

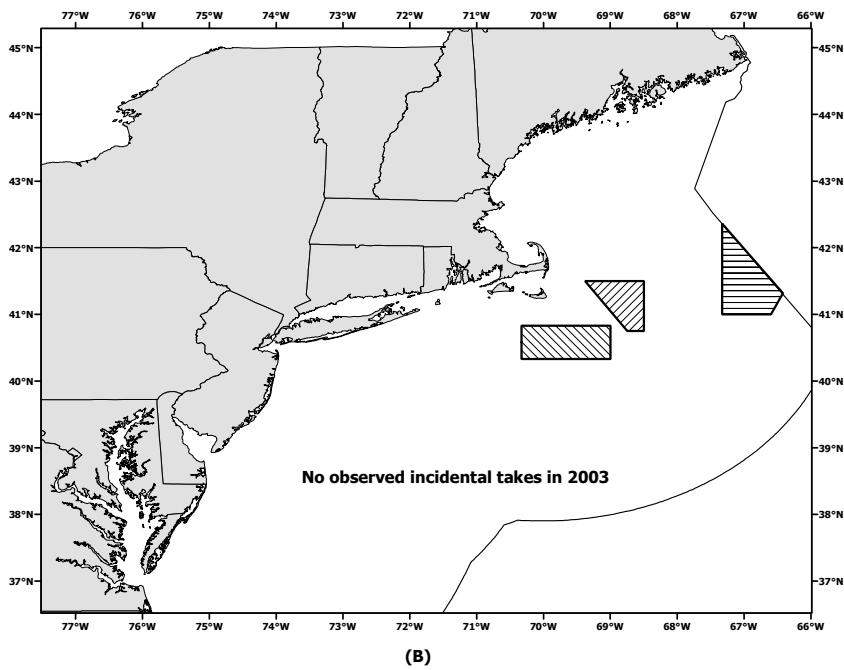
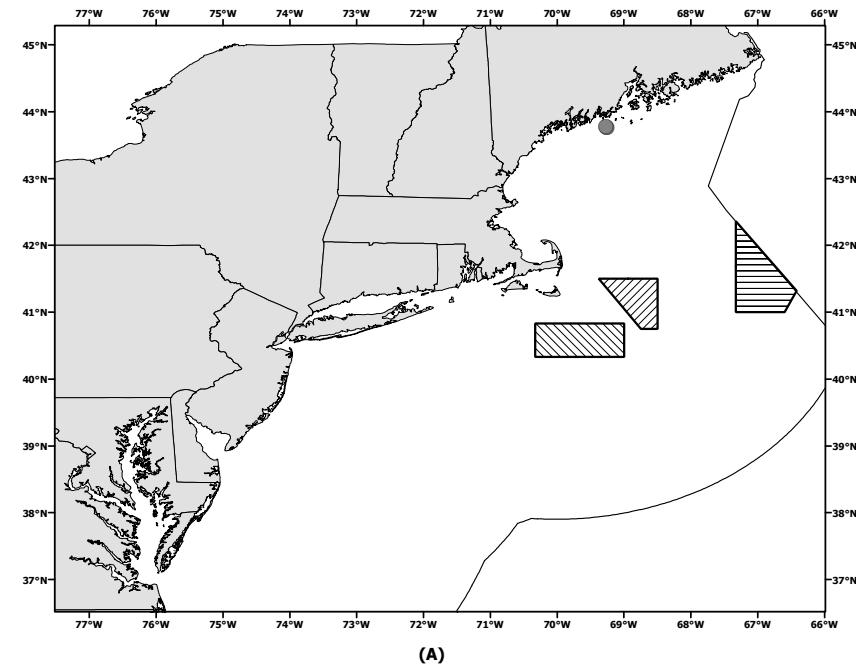


Figure 33. 2004 Atlantic herring purse seine observed hauls (A) and observed incidental takes (B)

- Observed hauls
 - ★ Harbor Seal
 - ◊ Gray Seal
 - ◆ Gray Seal/Harbor Seal
 - + Gray Seal/Unknown Seal

 Closed Area 1

 Closed Area 2

 Nantucket Lightship Closed Area

